



# MATCH WITH FIG. 1A FIG. 1B

241 AAGCTATTCTCTTTCACCAAGTACTTTCTCAAGATTGAGAAGACGGGAAGGTCAGCGGG  
 -----+-----+-----+-----+-----+-----+-----+  
 300 TTCCGATAAGAGAAAGTGGTTCATGAAGAGATTCTAACTCTTCTTGCCCTTCCAGTCGCCCC

K L F S F T K Y F L K I E K N G K V S G -

301 ACCAAGAGGAGAACTGCCCGTACAGCATCTCGAGATAACATCAGTAGAAATCGGAGTT  
 -----+-----+-----+-----+-----+-----+-----+  
 360 TGGTTCCTCTTGACGGGCATGTCGTAGGACCTCTATTGTAGTCATCTTTAGCCCTCAA

T K K E N C P Y S I L E I T S V E I G V -

361 GTTCCCGTCAAAGCCATTAAACAGCAACTATTACTTAGCCATGAACAAGAGGGAAACTC  
 -----+-----+-----+-----+-----+-----+-----+  
 420 CAACGGCAGTTTCGGTAATTGTCGTTGATAAATGAATCGGTACTTGTTCTTCCCTTTGAG

V A V K A I N S N Y Y L A M N K K G K L -

421 TATGGCTCAAAGAATTTAACAATGACTGTAAAGCTGAAGGAGGATAGAGGAAATGGA  
 -----+-----+-----+-----+-----+-----+-----+  
 480 ATACCGAGTTTCTTAAATTGTTACTGACATTCGACTTCCTCTCCTATCTCCTTTACCT

Y G S K E F N N D C K L K E R I E E N G -

MATCH WITH FIG. 1C

MATCH WITH FIG. 1B

481 TACAATACCTATGCATCATTTAACTGGCAGCATAAATGGAGGCAATGTATGTGGCATTC  
-----+-----+-----+-----+-----+-----+-----+-----+  
ATGTTATGGATACGTAGTAAATTGACCGTCGTATTACCCTCCGTTTACATACACCGTAAC  
540  
Y N T Y A S F N W Q H N G R Q M Y V A L -  
AATGGAAAAGGAGCTCCAAGGAGAGGACAGAAAACACGAAAGGAAAACACCTCTGCTCAC  
-----+-----+-----+-----+-----+-----+-----+-----+  
TTACCTTTTCCTCGAGGTTCCCTCCTCCTGCTCTTTTGCTTCCTTTTGTGGAGACGAGTG  
541  
N G K G A P R R G Q K T R R R K N T S A H -  
TTTCTTCCAATGGTGTACACTCATAG  
-----+-----+-----+-----+-----+-----+-----+-----+  
AAAGAAGGTTACCACCATGTGAGTATC  
601  
F L P M V V H S +  
627

# FIG. 2A

FGF4	1	MS.GPGTAAV	ALLPAVLAL	LA.....	PWAGRGGA	APTAPNGTLE	50
FGF6		MSRGAGRLOG	TLWALVFLGI	LV.....	GMVVPSPAG	TR.ANNTLLD	
FGF5		.....MSL	SFLLLLFFSH	LILSAWAHGE	KRLAPKGQPG	PAATDRNPIG	
FGF1		.....	.....	.....	.....	.....	
FGF2		.....	.....	.....	.....	.....	
FGF9		.....	.....	.....	.....	.....	
FGF7		.....	.....	.....	MAPLGEVG	NYFGVQDAVP	
KGF2		.....	MHKW	ILTWILPTLL	.....YRSCF	HIICLVGTIS	
FGF3		.....	MWKW	ILTHCASAFF	HLPGCCCCCF	LLLFLVSSVP	
FGF8		MGSPRSALSC	LLLHLLVLCL	QAQVRSAAQK	.....MGL	IWLLLLSLLE	
					RGPGAGNPAD	TLGQGHEDRP	

FGF4	51	AELERRWESL	VALSLARLPV	AA..QPKEA	VQSGAGDY..	...	LLGIKRL	100
FGF6		S...RGWGTL	LSRSRAGLAG	EI.....AG	VNWESG.Y..	...	LVGIKRQ	
FGF5		SSSRQSSSA	MSSSSASSSP	AASLGSGSG	LEQSSSQW..	...	SPSGRRT	
FGF1		.....MAEG	EITTFALTE	KFN...LPPG	.....N..	...	YK...KP	
FGF2		.....MAAG	SITTLPALPE	DGSGGAFPPG	.....H..	...	EK...DP	
FGF9		FGNVPLPVD	SPVLLSDHLG	QSEAGGLPRG	PAVTDLDH..	...	LKGILRR	
FGF7		LACNDMTPEQ	M...ATNVNC	.....SSPE	RHTRSYDY..	...	MEGGDIR	
KGF2		VTCQALGQDM	VSPEATNSSS	SSFSSPSSAG	RHVRSYNH..	...	LQ.GDVR	
FGF3		PGWPAAGPGA	.....	...RLRRDAG	GRGGVYEH..	...	L.GGAPR	
FGF8		FGQRSRAGKN	FTNPAPNYPE	EGSKEQRDSV	LPKVTQRHVR	EQSLVTDQLS		

MATCH WITH FIG. 2B

MATCH WITH FIG. 2A

FIG. 2B

101

150

FGF4	RRL.....YC	NVGIGFHLQA	LPDGRIGGAH	ADT.RDSLLE	LSPVERGV.V
FGF6	RRL.....YC	NVGIGFHLQV	LPDGRISGTH	EEN.PYSLLE	ISTVERGV.V
FGF5	GSL.....YC	RVGIGFHLQI	YPDGKVNESH	EAN.MLSVLE	IFAVSQGI.V
FGF1	KLL.....YC	SNG.GHFLRI	LPDGTVDGTR	DRSDQHIQLQ	LSAESVGE.V
FGF2	KRL.....YC	KNG.GFFLRI	HPDGRVDGVR	EKSDPHIKLQ	LQAEERGV.V
FGF9	RQL.....YC	R.T.GFHLEI	FPNGTIQGTR	KDHSRFGILE	FISIAVGL.V
FGF7	VRR.....LF	CRT.QWYLRI	DRGKVKGTQ	EMKNNYNIME	IRTVAVGI.V
KGF2	WRK.....LF	SFT.KYFLKI	EKNGKVSGBK	KENCYPYSILE	ITSVEIGV.V
FGF3	RRK.....LY	CAT.KYHLQL	HPSGRVNGSL	.ENSAYSILE	ITAVEVGI.V
FGF8	RRLIRTYQLY	SRTSGKHVQV	LANKRINAMA	EDGDPFAKLI	VETDTFGSRV

151

200

FGF4	SIFGVASRFF	VAMSSKGKLY	G.SPFFTDEC	TFKEILLPNN	YNAYESYKYF
FGF6	SLEGVRSALF	VAMNSKGRLY	A.TPSEQEEC	KFRETLLPNN	YNAYESDL
FGF5	GIRGVFSNKE	LAMSKKGKLY	A.SAKFTDDC	KFRERFOENS	YNTYAS
FGF1	YIKSTETGQY	LAMDTDGLLY	G.SQTPNEEC	LFLERLEENH	YNTYIS
FGF2	SIKGVCANRY	LAMKEDGRLL	A.SKCVTDEC	FFFERLESNN	YNTY
FGF9	SIRGVDSGLY	LGMNEKGELY	G.SEKLTQEC	VFREQFEENW	YNTYR
FGF7	AIKGVSESEFY	LAMNKEGKLY	A.KKECNEDC	NFKELILENH	YNTYR
KGF2	AVKAINSINY	LAMNKGKLY	G.SKEFNDC	KLKERIEENG	YONAKY
FGF3	AIRGLESGRY	LAMNKRGRLY	A.SEHYSAEC	EFVERIHELG	
FGF8	RVRGAETGLY	ICMNNKGKLI	AKSNGKGKDC	VFTETIVLEN	

MATCH WITH FIG. 2C

# MATCH WITH FIG. 2B FIG. 2C

201

FGF4	.....	GM.....	FI	ALSKNGKTKK	G..	NRVSPTM	250
FGF6	.....	GT.....	YI	ALSKYGRVVR	G..	SKVSPIM	KVTHFLPRL.
FGF5	.....	TEKTGREWYV		ALNKRKGAKR	GCS	PRVKPQH	TVTHFLPRI.
FGF1	.....	...AEKNWFV		GLKKNGSCKR	G..	PRTHYGQ	ISTHFLPRFK
FGF2	.....	...T..SWYV		ALKRTGQYKL	G..	SKTGPQG	KAILFLPLPV
FGF9	.....	...DTGRRYV		ALNKDGTPRE	G..	TRTKRHQ	KAILFLPMSA
FGF7	.....	...AKW THNGGEM.FV		ALNQKGIPVR	G..	KKTKKEQ	KFTHFLPRPV
KGF2	.....	...FNV QHNGROM.YV		ALNGKGAPRR	G..	QKTRRKN	KTAHFLPMAI
FGF3	.....	TVSSTPGARR QPSAERLWYV		SVNGKGRPRR	G..	FKTRRTQ	TSAHFLPMVV
FGF8	.....	.....EGWYM		AFTRKGRPRK	G..	SKTRQHQ	KSSLFLPRVL
							REVHFMKRLP

251

FGF4	.....	.....	.....	.....	.....	.....	300
FGF6	.....	.....	.....	.....	.....	.....	
FGF5	QSEQPELSFT	VTVPEKKNPP	SPIKSKIPLS	APRKNNTSVK	YRLKFRFG..		
FGF1	SSD.....	.....	.....	.....	.....		
FGF2	KS.....	.....	.....	.....	.....		
FGF9	DPDKVPELYK	DILSQS....	.....	.....	.....		
FGF7	T.....	.....	.....	.....	.....		
KGF2	HS.....	.....	.....	.....	.....		
FGF3	DHRDHEMVRQ	LQSGLEPPPG	KGVPRRRRQ	KQSPDNLEPS	HVQASRLGSQ		
FGF8	RGHHTTEQSL	RFEFLNYPPE	TRSLRGSQRT	WAPERR....	.....		

MATCH WITH FIG. 2D

SECRET

# FIG. 2D

MATCH WITH FIG. 2C

301	FGF4	.....
	FGF6	.....
	FGF5	.....
	FGF1	.....
	FGF2	.....
	FGF9	.....
	FGF7	.....
	KGF2	.....
	FGF3	LEASAH
	FGF8	.....

# Figure 3A

GGAATTCCGG GAAGAGAGGG AAGAAAACAA CGGCGACTGG GCAGCTGCCT CCACTTCTGA	60
CAACTCCAAA GGGATATACT TGTAAGAAGT GCTCGCAGGC TGGGGCTCCG CAGAGAGAGA	120
CCAGAAGGTG CCAACCGCAG AGGGGTGCAG ATATCTCCCC CTATTCCCCA CCCCACCTCC	180
CTTGGGTTTT GTTCACCGTG CTGTCATCTG TTTTTCAGAC CTTTTTGGCA TCTAACATGG	240
TGAAGAAAGG AGTAAAGAAG AGAACAAAGT AACTCCTGGG GGAGCGAAGA GCGCTGGTGA	300
CCAACACCAC CAACGCCACC ACCAGCTCCT GCTGCTGCGG CCACCCACGT CCACCATTTA	360
CCGGGAGGCT CCAGAGGCGT AGGCAGCGGA TCCGAGAAAG GAGCGAGGGG AGTCAGCCGG	420
CTTTTCCGAG GAGTTATGGA TGTTGGTGCA TTCACTTCTG GCCAGATCCG CGCCCAGAGG	480
GAGCTAACCA GCAGCCACCA CCTCGAGCTC TCTCCTTGCC TTGCATCGGG TCTTACCCTT	540
CCAGTATGTT CTTTCTGATG AGACAATTTC CAGTGCCGAG AGTTTCAGTA CA ATG	595
	Met
TGG AAA TGG ATA CTG ACA CAT TGT GCC TCA GCC TTT CCC CAC CTG CCC	643
Trp Lys Trp Ile Leu Thr His Cys Ala Ser Ala Phe Pro His Leu Pro	
GGC TGC TGC TGC TGC TGC TTT TTG TTG CTG TTC TTG GTG TCT TCC GTC	691
Gly Cys Cys Cys Cys Cys Phe Leu Leu Leu Phe Leu Val Ser Ser Val	
CCT GTC ACC TGC CAA GCC CTT GGT CAG GAC ATG GTG TCA CCA GAG GCC	739
Pro Val Thr Cys Gln Ala Leu Gly Gln Asp Met Val Ser Pro Glu Ala	
ACC AAC TCT TCT TCC TCC TCC TTC TCC TCT CCT TCC AGC GCG GGA AGG	787
Thr Asn Ser Ser Ser Ser Ser Phe Ser Ser Pro Ser Ser Ala Gly Arg	
CAT GTG CGG AGC TAC AAT CAC CTT CAA GGA GAT GTC CGC TGG AGA AAG	835
His Val Arg Ser Tyr Asn His Leu Gln Gly Asp Val Arg Trp Arg Lys	
CTA TTC TCT TTC ACC AAG TAC TTT CTC AAG ATT GAG AAG AAC GGG AAG	883
Leu Phe Ser Phe Thr Lys Tyr Phe Leu Lys Ile Glu Lys Asn Gly Lys	
GTC AGC GGG ACC AAG AAG GAG AAC TGC CCG TAC AGC ATC CTG GAG ATA	931
Val Ser Gly Thr Lys Lys Glu Asn Cys Pro Tyr Ser Ile Leu Glu Ile	
ACA TCA GTA GAA ATC GGA GTT GTT GCC GTC AAA GCC ATT AAC AGC AAC	979
Thr Ser Val Glu Ile Gly Val Val Ala Val Lys Ala Ile Asn Ser Asn	
TAT TAC TTA GCC ATG AAC AAG AAG GGG AAA CTC TAT GGC TCA AAA GAA	1027
Tyr Tyr Leu Ala Met Asn Lys Lys Gly Lys Leu Tyr Gly Ser Lys Glu	
TTT AAC AAT GAC TGT AAG CTG AAG GAG AGG ATA GAG GAA AAT GGA TAC	1075
Phe Asn Asn Asp Cys Lys Leu Lys Glu Arg Ile Glu Glu Asn Gly Tyr	



## Figure 3B

AAT ACC TAT GCA TCA TTT AAC TGG CAG CAT AAT GGG AGG CAA ATG TAT -	1123
Asn Thr Tyr Ala Ser Phe Asn Trp Gln His Asn Gly Arg Gln Met Tyr	
GTG GCA TTG AAT GGA AAA GGA GCT CCA AGG AGA GGA CAG AAA ACA CGA	1171
Val Ala Leu Asn Gly Lys Gly Ala Pro Arg Arg Gly Gln Lys Thr Arg	
AGG AAA AAC ACC TCT GCT CAC TTT CTT CCA ATG GTG GTA CAC TCA	1216
Arg Lys Asn Thr Ser Ala His Phe Leu Pro Met Val Val His Ser	
TAGAGGAAGG CAACGTTTGT GGATGCAGTA AAACCAATGG CTCTTTTGCC AAGAATAGTG	1276
GATATTCTTC ATGAAGACAG TAGATTGAAA GGCAAAGACA CGTTGCAGAT GTCTGCTTGC	1336
TTAAAAGAAA GCCAGCCTTT GAAGGTTTTT GTATTCACTG CTGACATATG ATGTTCTTTT	1396
AATTAGTTCT GTGTCATGTC TTATAATCAA GATATAGGCA GATCGAATGG GATAGAAGTT	1456
ATTCCCAAGT GAAAAACATT GTGGCTGGGT TTTTGTGTTT TGTGTCAAG TTTTGTTTT	1516
TAAACCTCTG AGATAGAACT TAAAGGACAT AGAACAATCT GTTGAAAGAA CGATCTTCGG	1576
GAAAGTTATT TATGGAATAC GAACTCATAT CAAAGACTTC ATTGCTCATT CAAGCCTAAT	1636
GAATCAATGA ACAGTAATAC GTGCAAGCAT TTAAGTGGAA GCACTTGGGT CATATCATAT	1696
GCACAACCAA AGGAGTTCTG GATGTGGTCT CATGGAATAA TTGAATAGAA TTTAAAATA	1756
TAAACATGTT AGTGTGAAAC TGTTCTAACA ATACAAATAG TATGGTATGC TTGTGCATTC	1816
TGCCTTCATC CCTTCTATT TCTTCTAAG TTATTTATTT AATAGGATGT TAAATATCTT	1876
TTGGGGTTTT AAAGAGTATC TCAGCAGCTG TCTTCTGATT TATCTTTTCT TTTTATTCAG	1936
CACACCACAT GCATGTTTAC GACAAAGTGT TTTTAAACT TGGCGAACAC TTCAAAAATA	1996
GGAGTTGGGA TTAGGGAAGC AGTATGAGTG CCCGTGTGCT ATCAGTTGAC TTAATTTGCA	2056
CTTCTGCAGT AATAACCATC AACAATAAAT ATGGCAATGC TGTGCCATGG CTTGAGTGAG	2116
AGATGTCTGC TATCATTTGA AACATATAT TACTCTCGAG GCTTCCTGTC TCAAGAAATA	2176
GACCAGAAGG CCAAAATTCTT CTCTTTCAAT ACATCAGTTT GCCTCCAAGA ATATACTAAA	2236
AAAAGGAAAA TTAATTGCTA AATACATTTA AATAGCCTAG CCTCATTATT TACTCATGAT	2296
TTCTTGCCAA ATGTCATGGC GGTAAAGAGG CTGTCCACAT CTCTAAAAAC CCTCTGTAAA	2356
TTCCACATAA TGCATCTTTC CCAAAGGAAC TATAAAGAAT TTGGTATGAA GCGCAACTCT	2416

# Figure 3C

CCCAGGGGCT	TAAACTGAGC	AAATCAAATA	TATACTGGTA	TATGTGTAAC	CATATACAAA	2476
AACCTGTTCT	AGCTGTATGA	TCTAGTCTTT	ACAAAACCAA	ATAAAACTTG	TTTTCTGTAA	2536
ATTTAAAGAG	CTTTACAAGG	TTCCATAATG	TAACCATATC	AAAATTCATT	TTGTTAGAGC	2596
ACGTATAGAA	AAGAGTACAT	AAGAGTTTAC	CAATCATCAT	CACATTGTAT	TCCACTAAAT	2656
AAATACATAA	GCCTTATTTG	CAGTGTCTGT	AGTGATTTTA	AAAATGTAGA	AAAATACTAT	2716
TTGTTCTAAA	TACTTTTAAG	CAATAACTAT	AATAGTATAT	TGATGCTGCA	GTTTTATCTT	2776
CATATTTCTT	GTTTTGAAAA	AGCATTTTAT	TGTTTGGACA	CAGTATTTTG	GTACAAAAAA	2836
AAAGACTCAC	TAAATGTGTC	TTACTAAAGT	TTAACCTTTG	GAAATGCTGG	CGTTCTGTGA	2896
TTCTCCAACA	AACTTATTTG	TGTCAATACT	TAACCAGCAC	TTCCAGTTAA	TCTGTTATTT	2956
TTAAAAATTG	CTTTATTAAG	AAATTTTTTG	TATAATCCCA	TAAAAGGTCA	TATTTTCCCC	3016
ATTCTTCAAA	AAAACGTAT	TTCAGAAGAA	ACACATTGTA	GGCACTGTCT	TTTGGCTTAT	3076
AGTTTAAATT	GCATTTCATC	ATACTTTGCT	TCCAACCTGC	TTTTTGGCAA	ATGAGATTAT	3136
AAAAATGTTT	AATTTTTGTG	GTTGGAATCT	GGATGTTAAA	ATTTAATTGG	TAACTCAGTC	3196
TGTGAGCTAT	AATGTAATGC	ATTCCATATC	AAACTAGGTA	TCTTTTTTTC	CTTTATGTTG	3256
AAATAATAAT	GGCACCTGAC	ACATAGACAT	AGACCACCCA	CAACCTAAAT	TAAATGTTTG	3316
GTAAGACAAA	TACACATTGG	ATGACCACAG	TAACAGCAAA	CAGGGCACAA	ACTGGATTCT	3376
TATTTACAT	AGACATTTAG	ATTACTAAAG	AGGGCTATGT	GTAAACAGTC	ATCATTATAG	3436
TACTCAAGAC	ACTAAAACAG	CTTCTAGCCA	AATATATTAA	AGCTTGCAGA	GGCCAAAAAT	3496
AGAAAACATC	TCCCCTGTCT	CTCCACATT	TCCCTCACAG	AAAGACAAAA	AACCTGCCTG	3556
GTGCAGTAGC	TCACACCTGT	AATCCCAGCA	GTTTGGGAGA	CTGTGGGAAG	ATGGCTTGAG	3616
TCCAGGAGTT	CTAGACAGGC	CTGAGAAACC	TAGTGAGACA	TCCTTCTCTT	AAACAAAACA	3676
AAACAAAACA	AATGTAGCCA	TGCGTGGTGG	CATATACCTG	TGGTCCCAAC	TACTCAGGAG	3736
GCTGAAACGG	AAGGATCTCT	TGGGCCCCAG	GAGTTTGAGG	CTGCAGTGAG	CTATAATCTT	3796
GCCATTGCAC	TCCAGCCTGG	GTGAAAAAGA	GCCAGAAAGA	AAGGAAAGAG	AGAAAAGAGA	3856
AAAGAAAGAG	AGAAAAGACA	GAAAGACAGG	AAGGAAGGAA	GGAAGGAAGG	AAGGAAGGAA	3916
GGAAGCAAGG	AAAGAAGGAA	GGAAGGAAAG	AAGGGAGGGA	AGGAAGGAGA	GAGAAAGAAA	3976
GATTGTTTGG	TAAGGAGTAA	TGACATTCTC	TTGCATTTAA	AAGTGGCATA	TTTGCTTGAA	4036

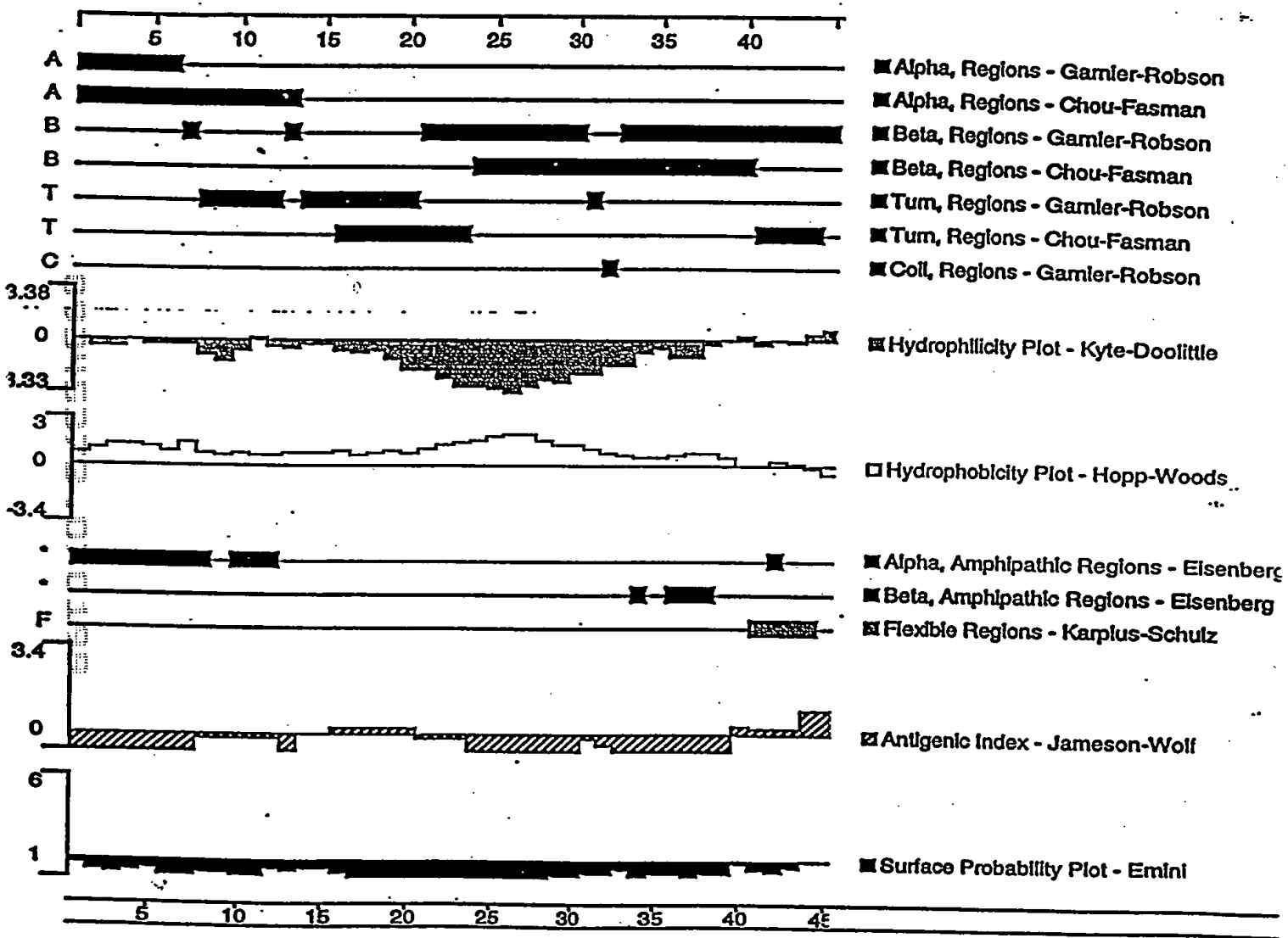
### Figure 3D

ATGGAAATAG AATTCTGGTC CCTTTTGCAA CTACTGAAGA AAAAAAAAAAG CAGTTTCAGC	4096
CCTGAATGTT GTAGATTTGA AAAA AAAAAA AAAAAA AACTC GAGGGGGGGC CCGTACCCAA	4156
TTCGCCCTAT AGTGAGTCGT A	4177

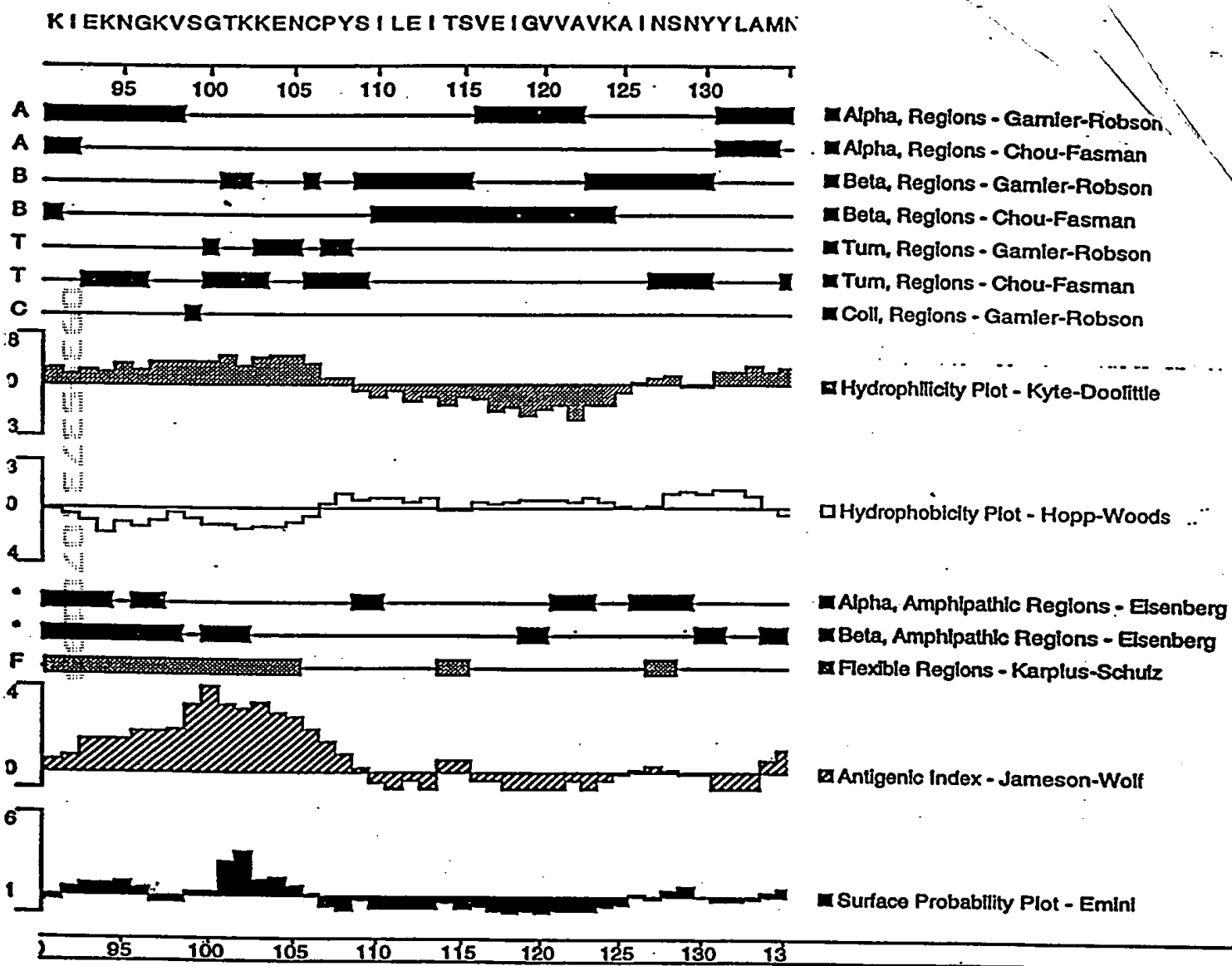
Year	1950	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	1961	1962	1963	1964	1965	1966	1967	1968	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099	2100
1950	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	1961	1962	1963	1964	1965	1966	1967	1968	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099	2100	

# Figure 4A

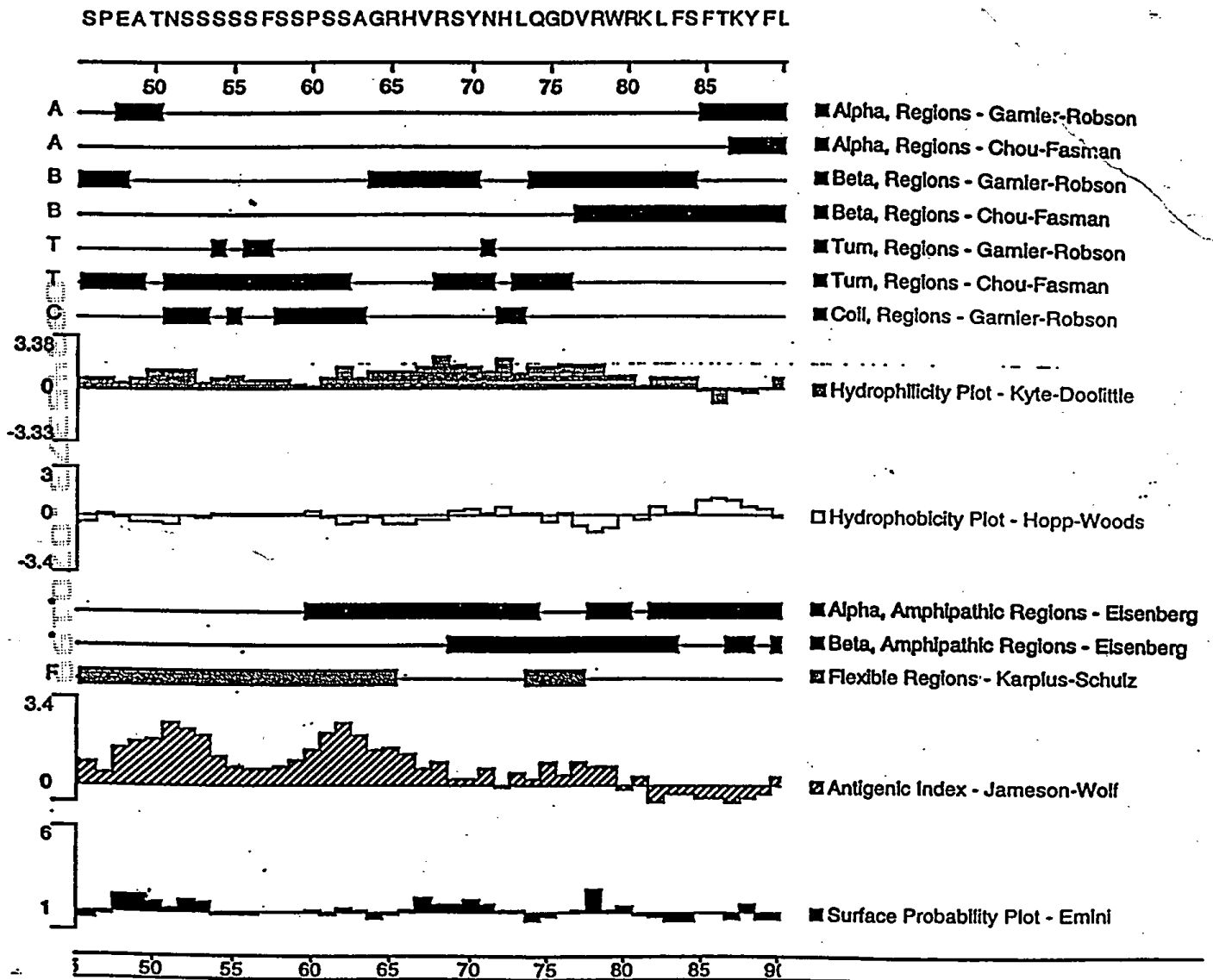
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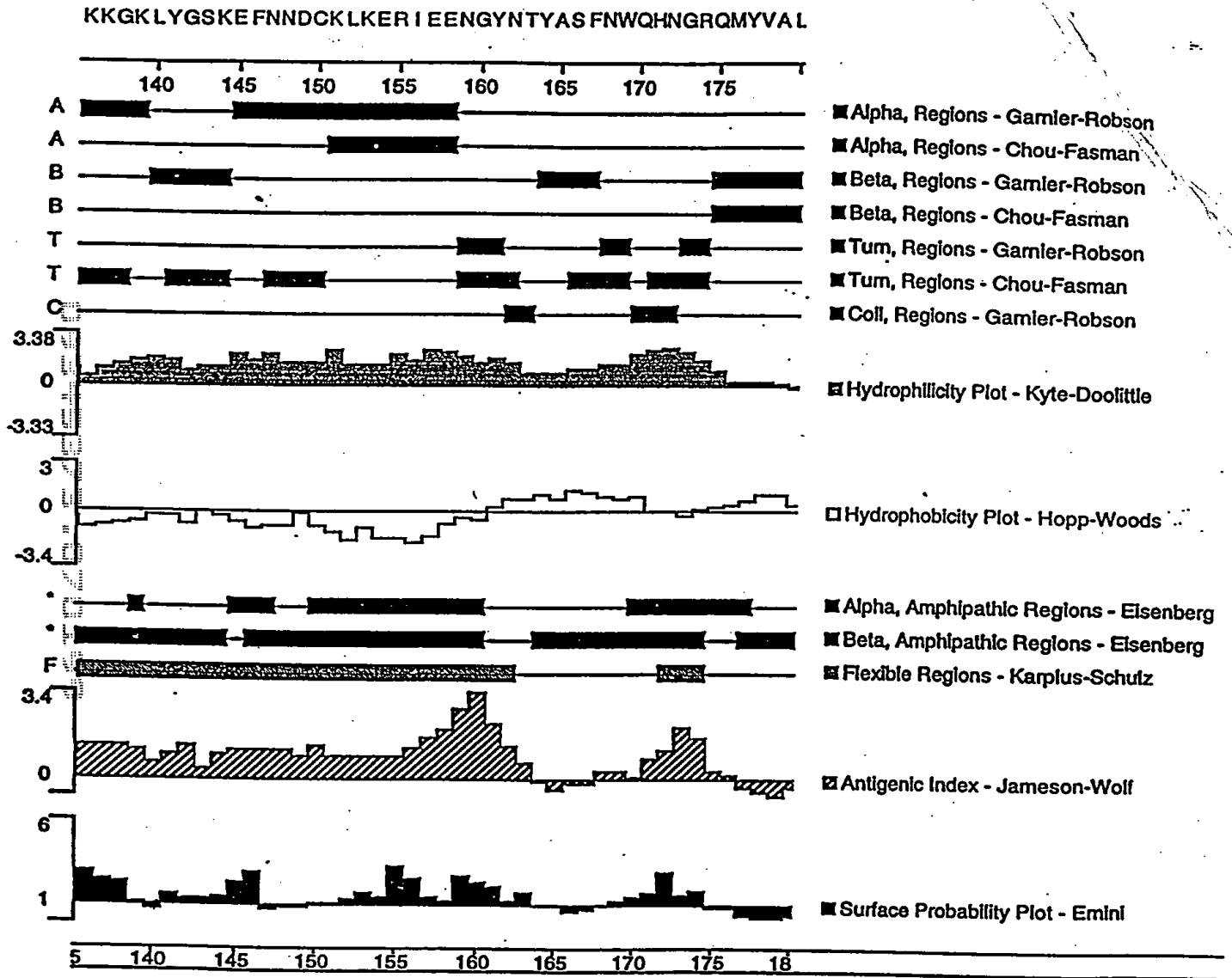
# Figure 4C



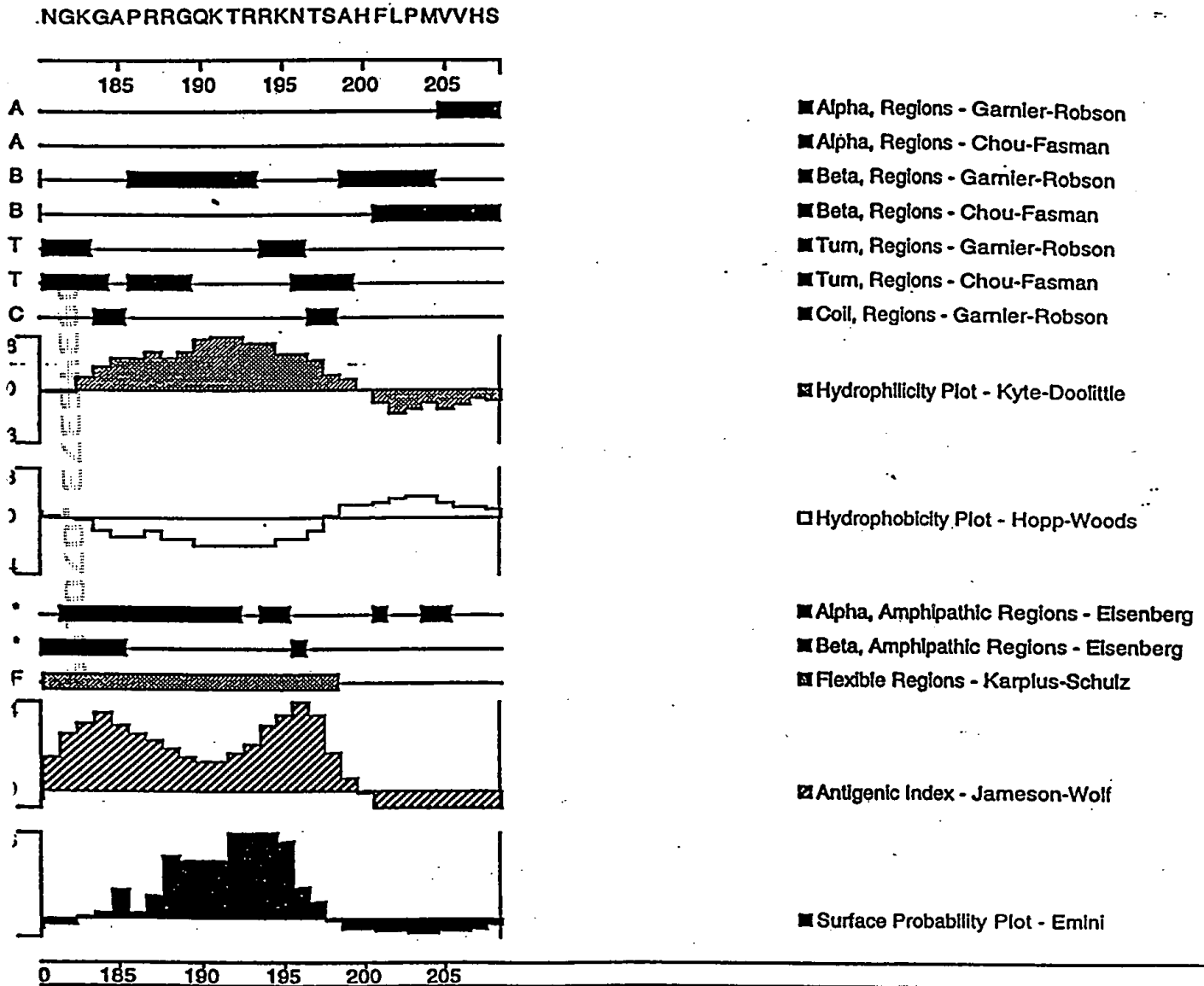
# Figure 4B



# Figure 4D



# Figure 4E





**Figure 5**

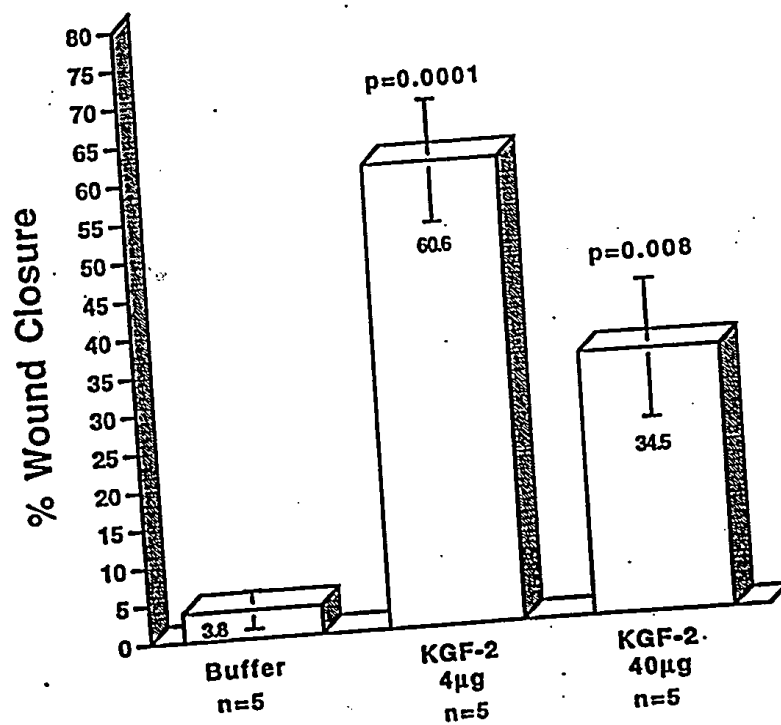
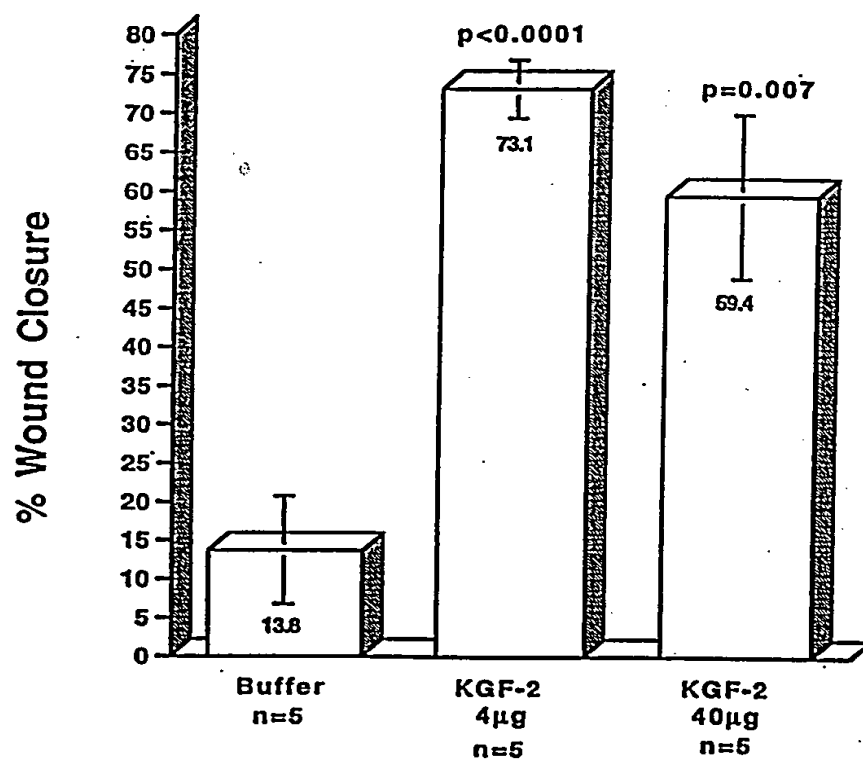
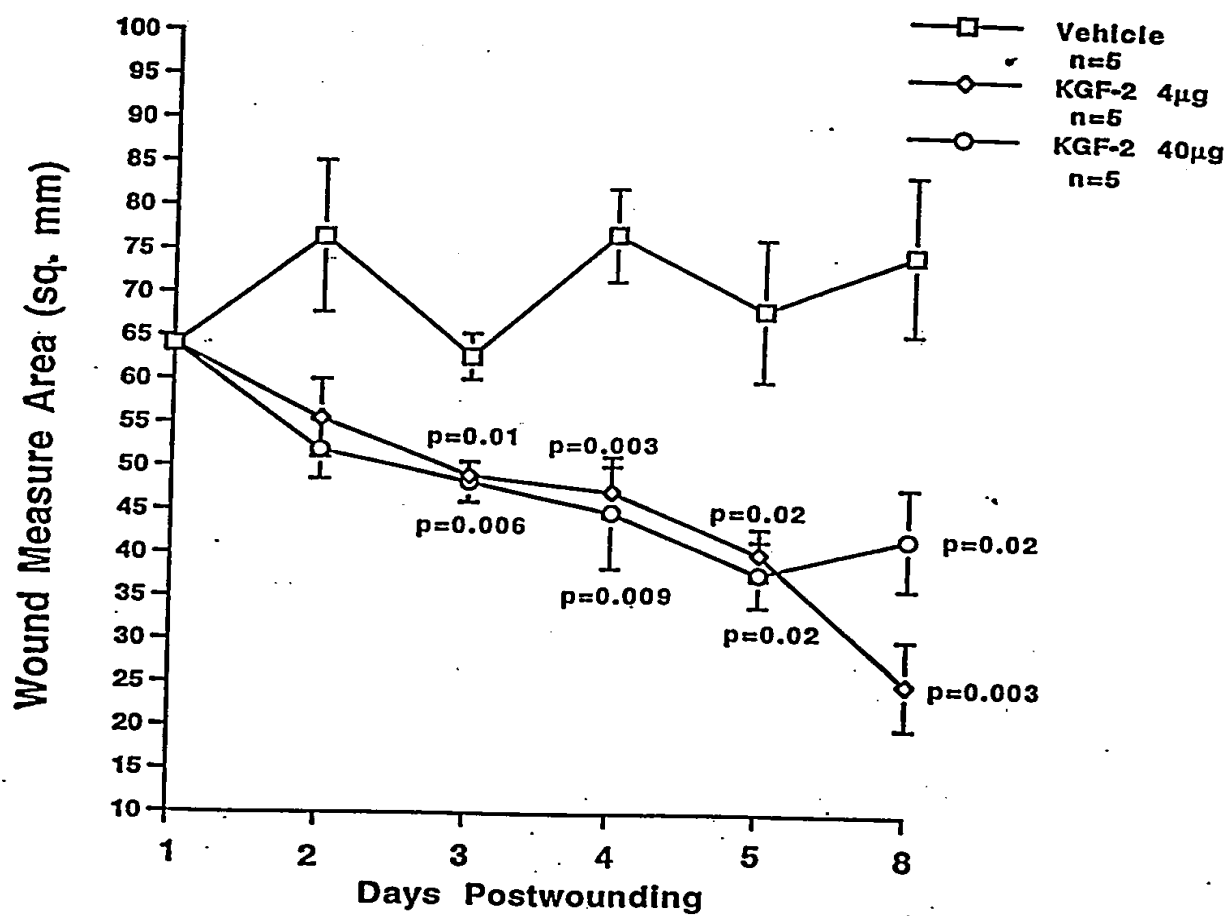


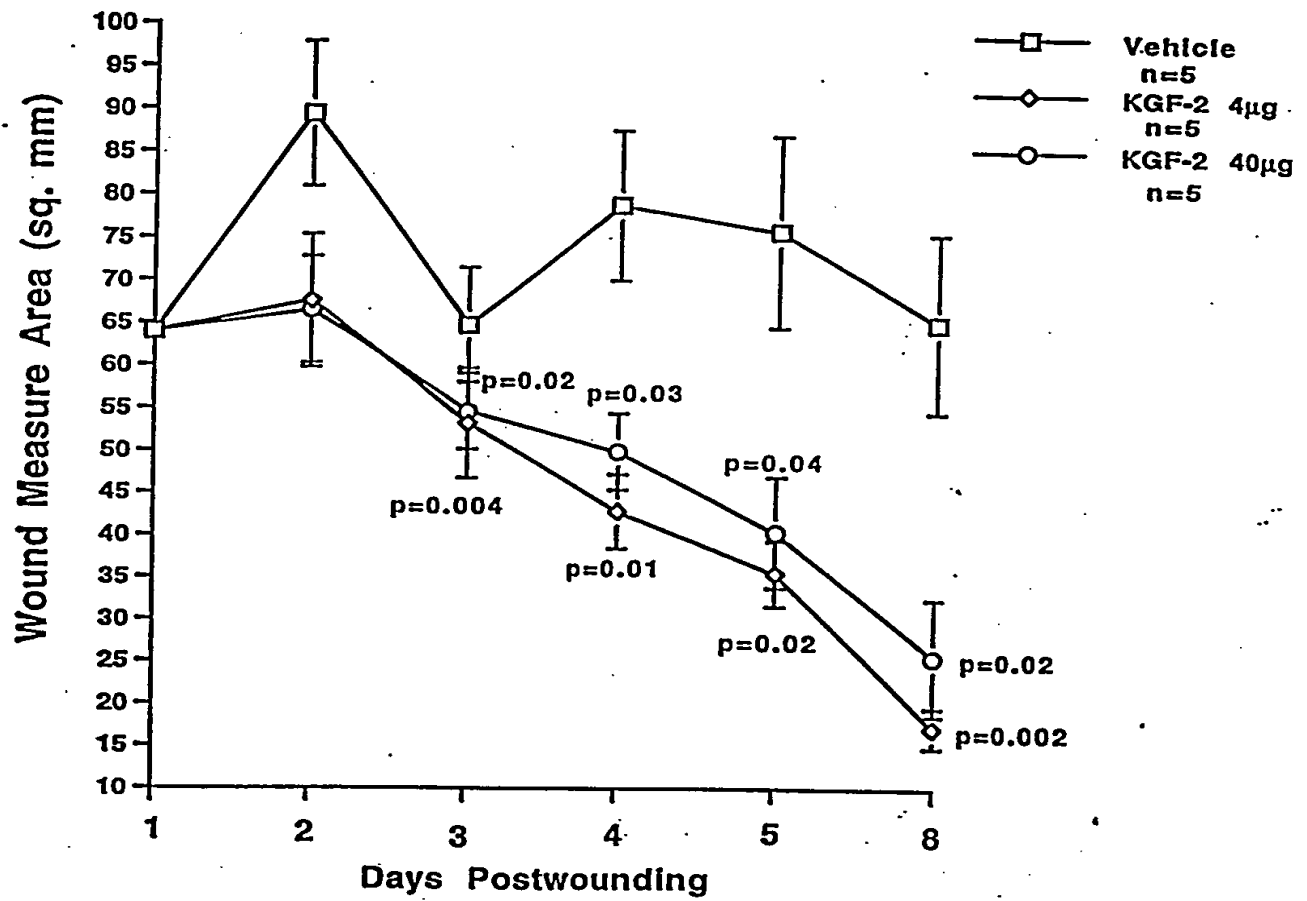
Figure 6



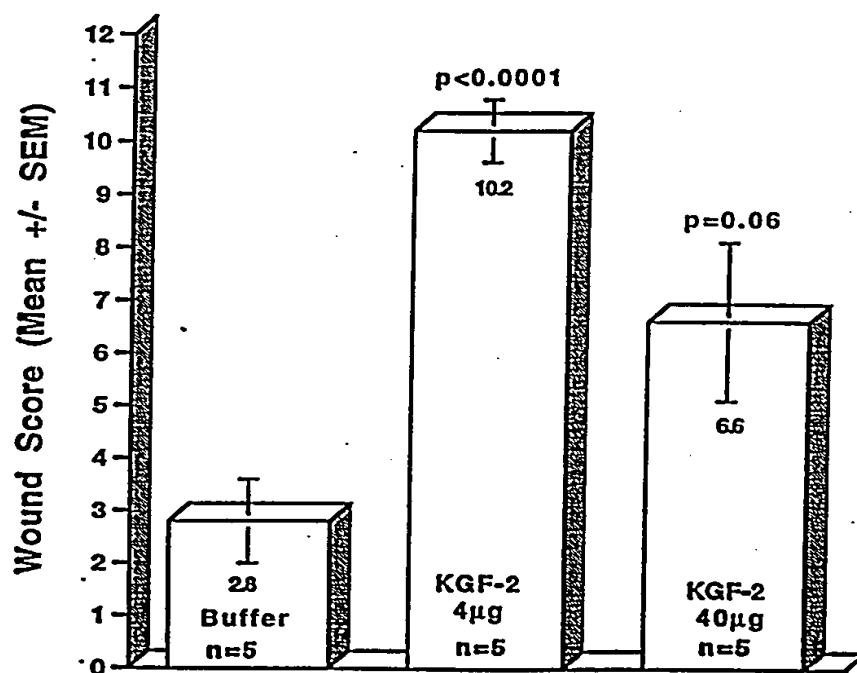
# Figure 7



**Figure 8**



**Figure 9**

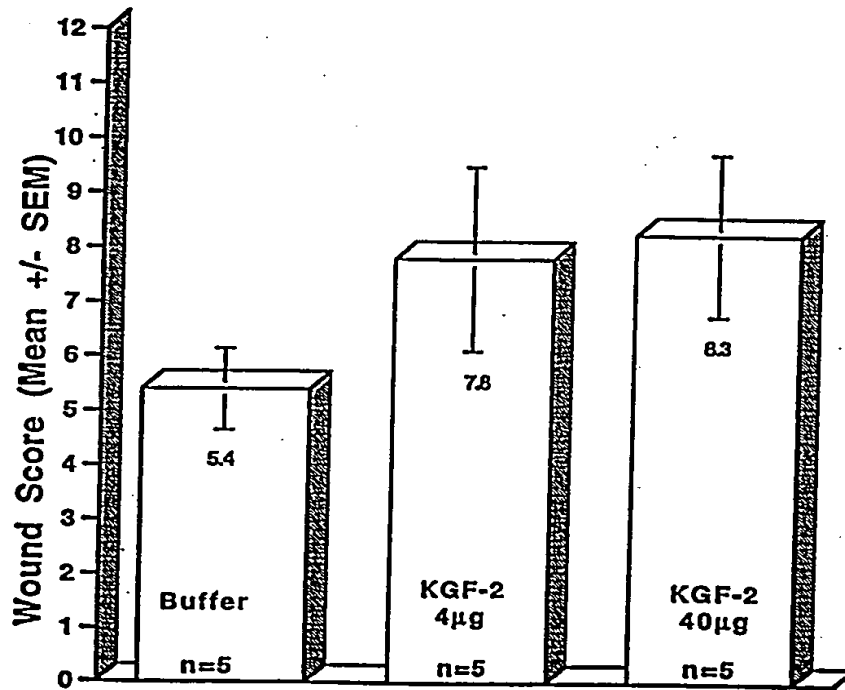


1-3 Minimal cell accumulation, no granulation

4-6 Immature granulation, inflammatory cells, capillaries

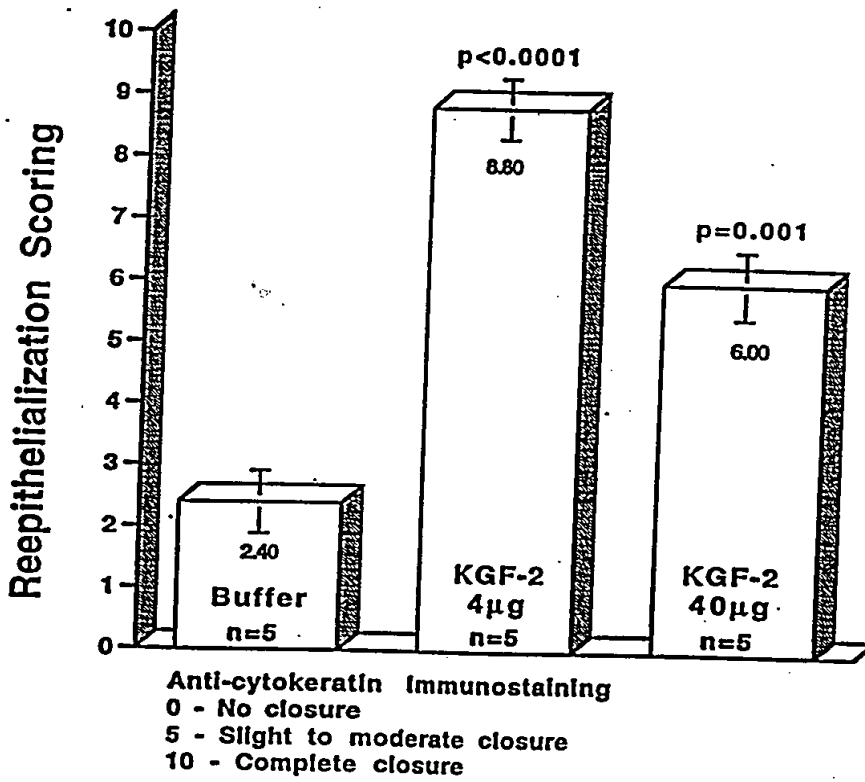
10-12 Fibroblasts, collagen, epithelium

**Figure 10**

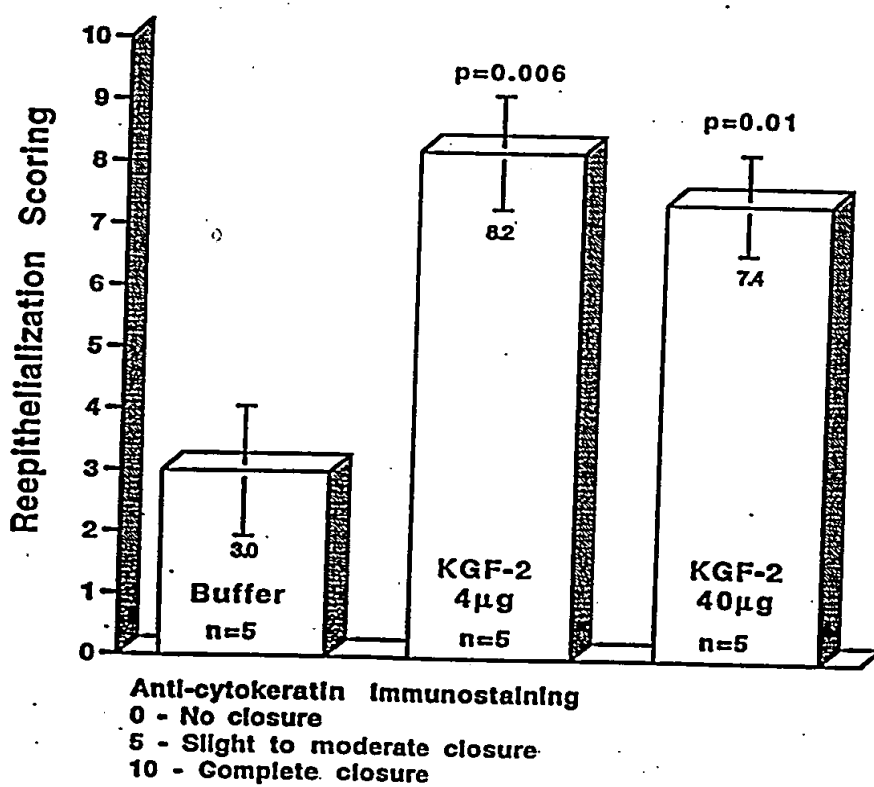


1-3 Minimal cell accumulation, no granulation  
4-6 Immature granulation, inflammatory cells, capillaries  
7-9 Granulation tissue, cells, fibroblasts, new epithellum  
10-12 Fibroblasts, collagen, epithellum

**Figure 11**

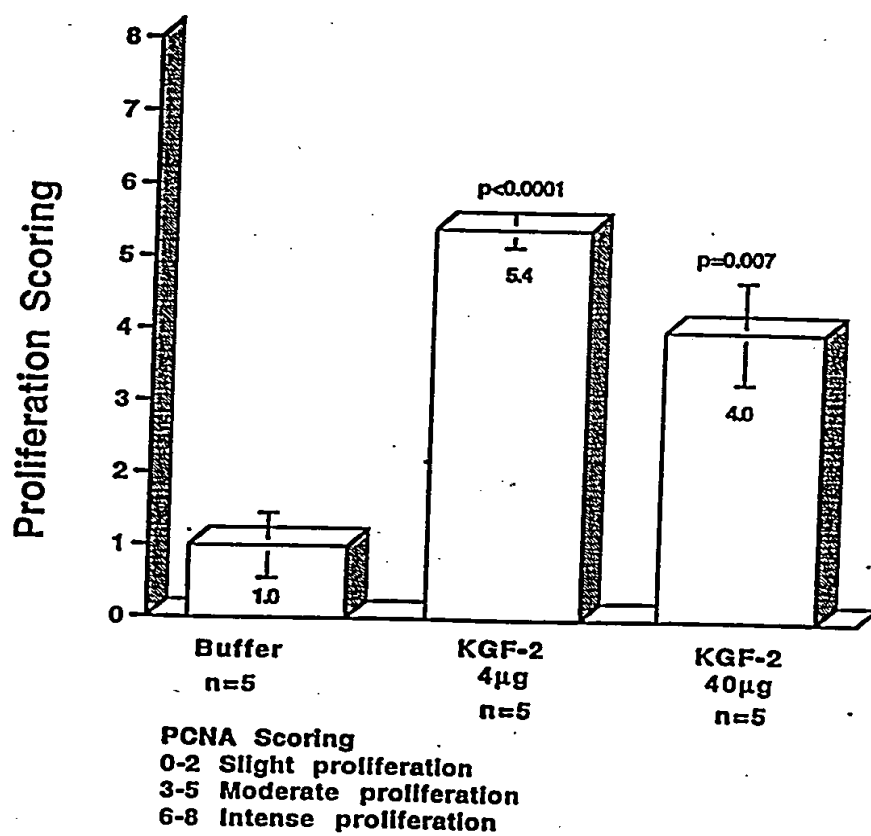


**Figure 12**

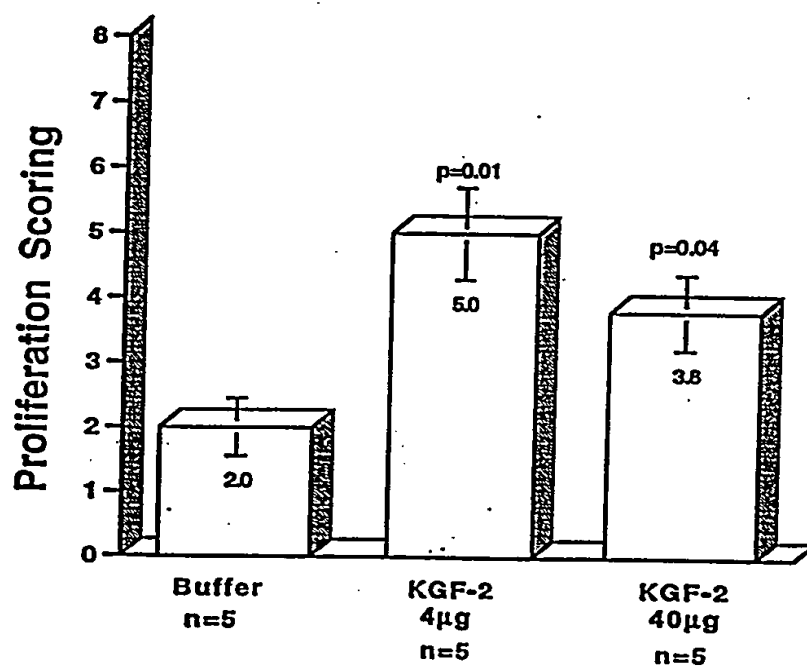




**Figure 13**



**Figure 14**



**PCNA Scoring**  
0-2 Slight proliferation  
3-5 Moderate proliferation  
6-8 Intense proliferation

## Figure 15

ATGAGAGGATCGCATCACCATCACCATCA~~CGGATCCT~~GOCAGGCTCTGGGTC  
AGGACATGGTITTC~~COGGAAGCTACCAAC~~CTTCTCTTCTCTTCTCTTOCC  
CGTCTT~~COGCTGGT~~CGTCA~~CGTT~~CGTTCTTACA~~CCACCT~~GACAGGGTGACGTTT  
GTTGGGCTAAACTGTTCTCTTTCACCAAATACTTCTGAAAATCGAAAAA  
AACGGTAAAGTTTCTGGGACCAAGAAGGAGAACTG~~CCCGTACAGCAT~~CCTG  
GAGATAACATCAGTAGAAATCGGAGTTGTTGCCGICAAAGCCATTAAACAG  
CAACTATTACTTAGCCATGAACAAGAAGGGGAAACTCTATGGCTCAAAAG  
AATTTAACAATGACTGTAAGCTGAAGGAGAGGATAGAGGAAAATGGAT  
ACAATACTATGCATCATTAACTGGCAGCATAATGGGAGGCAAATGTAT  
GTGGCATTGA~~2~~TGGAAAAGGAGCTCCA~~2~~GGAGAGGACAGAAAACACGAAG  
GAAAAACACCTCTGCTCACTTCTTCCAATGGTGGTACACTCATAG

MRGSHHHHHHGSCQALGQDMVSPEATNSSSSSFSSPSSAGRHVRSYNHLQGD  
VRWRKLFSFTKYFLKIEKNGKVSGTKKENCPYSILEITSVEIGVVAVKAINSN  
YYLAMNKKGKLYGSKEFNNDCKLKERIEBNGYNTYASFNWQHNGRQMYVA  
LNGKGAPRRGQKTRRKNTSAHFLPMVVHS

kgf-2 synthetic cys37 Bam HI

AAAGGATCCTGCCAGGCTCTGGGTCAGGACATG

Figure 16

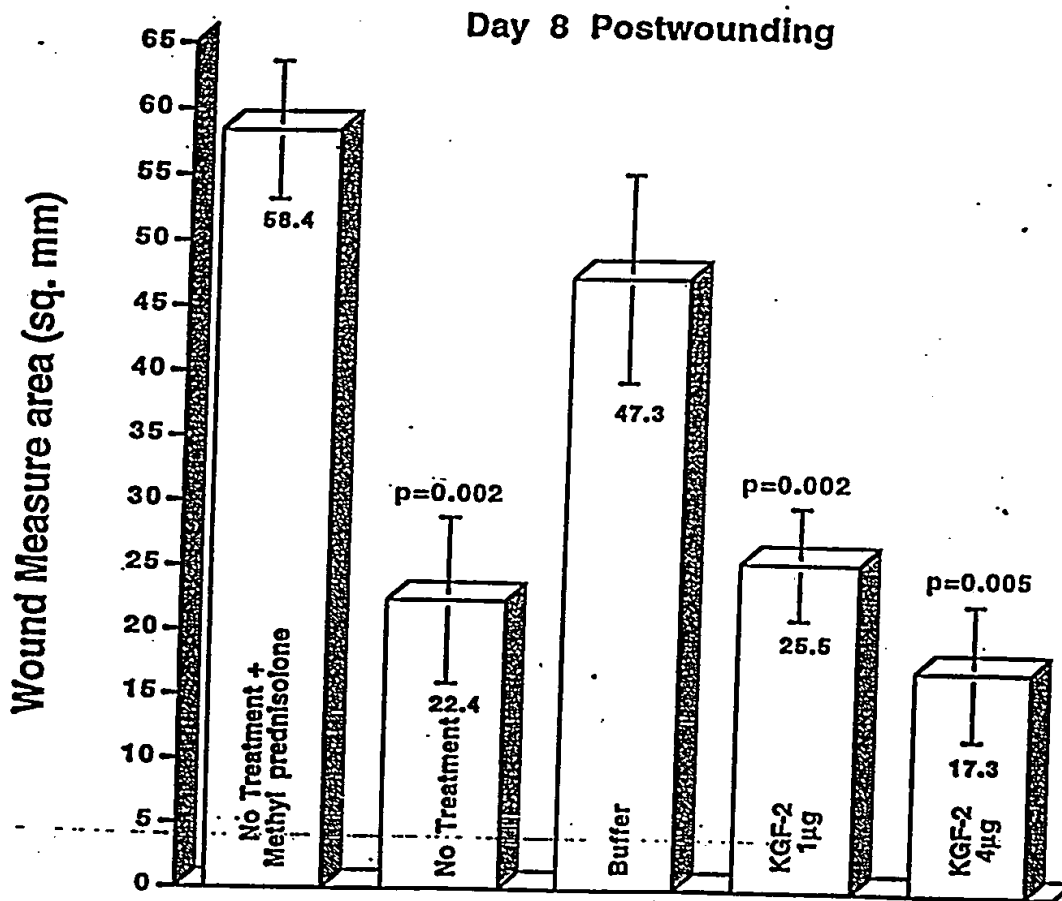


Figure 17

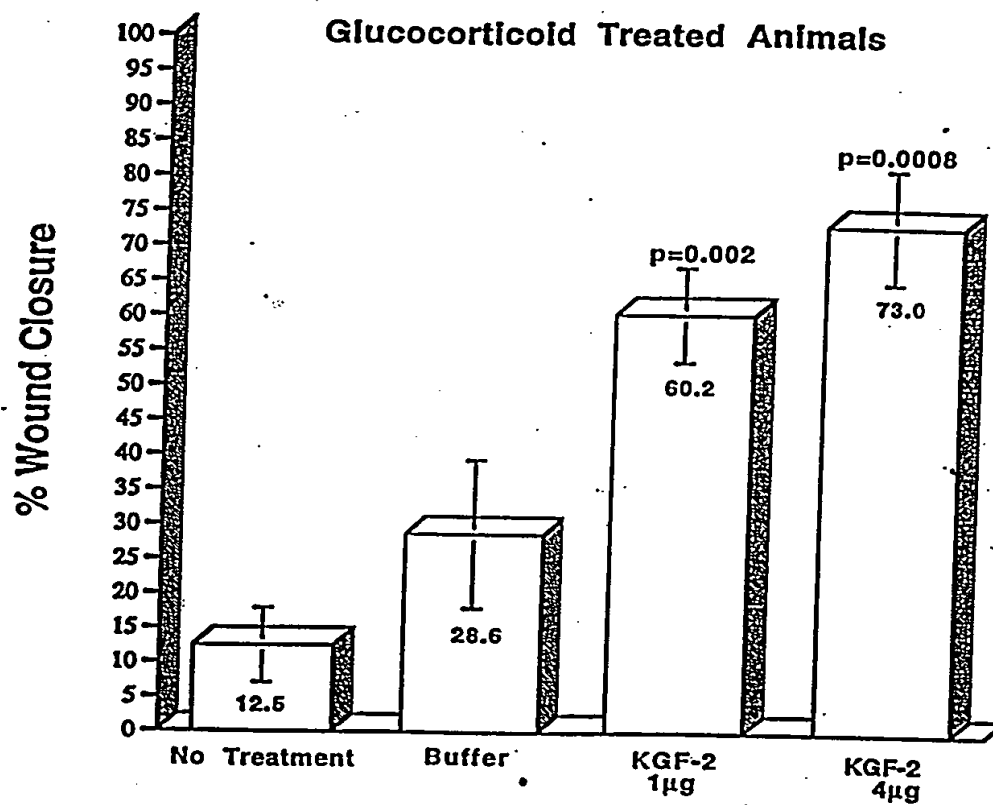
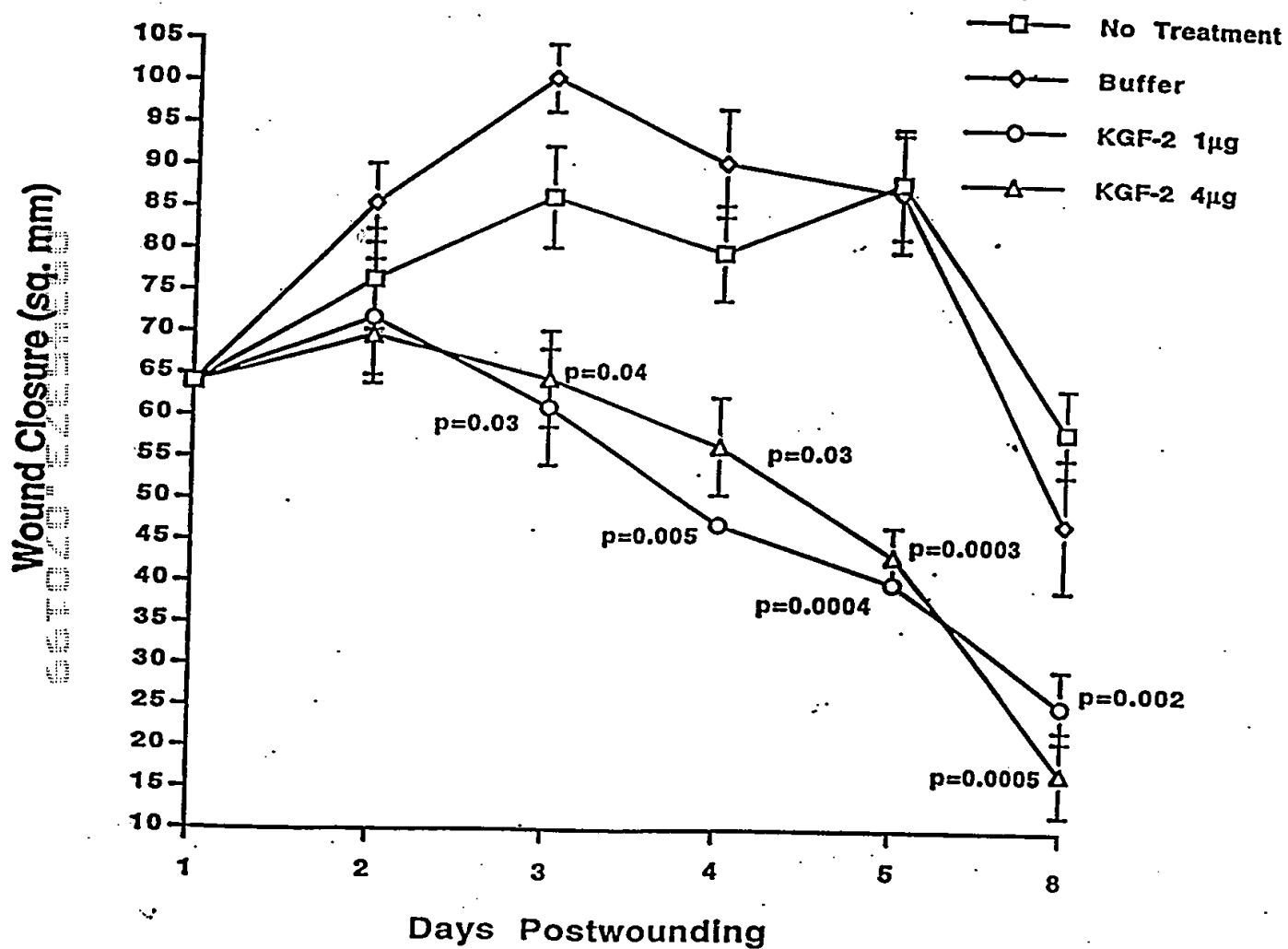


Figure 18



**Figure 19A**

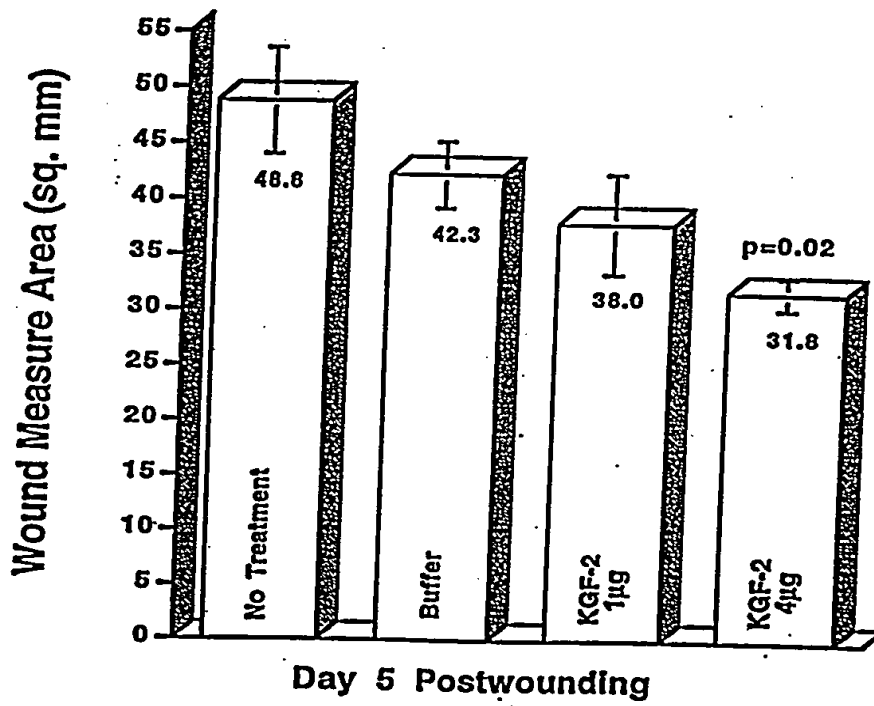


Figure 19B

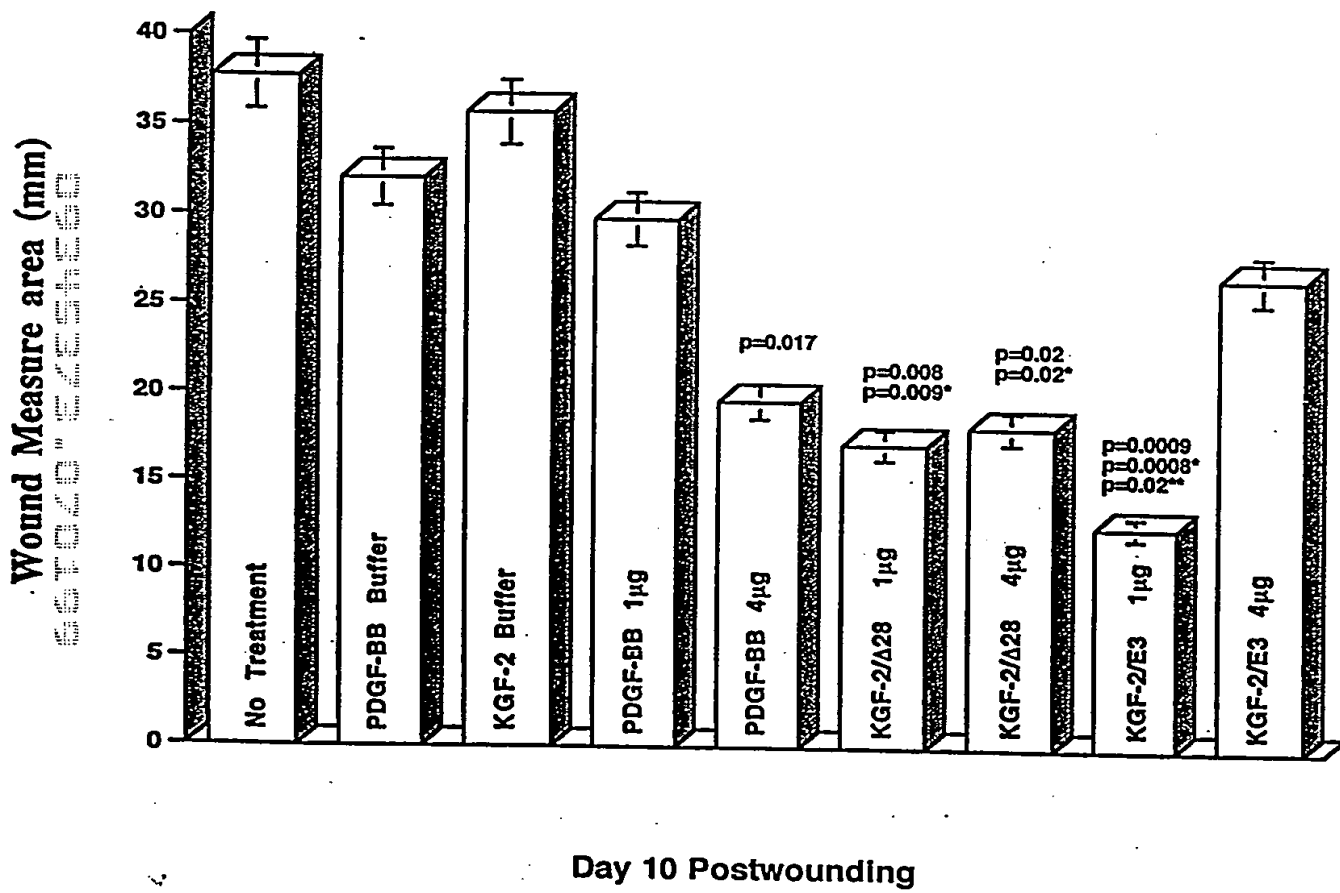




Figure 20

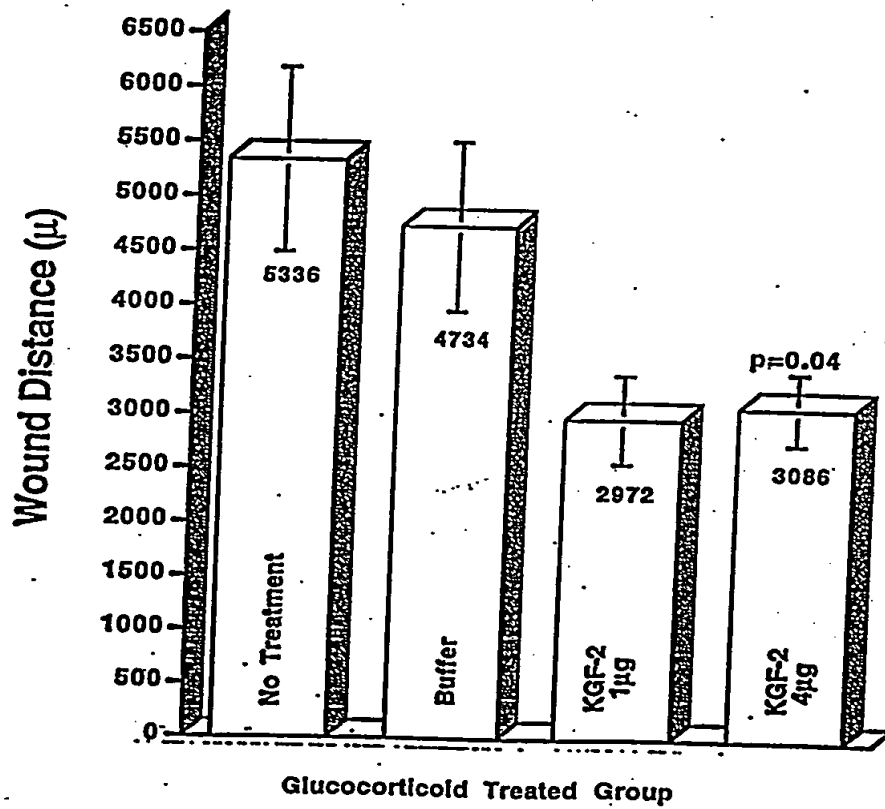
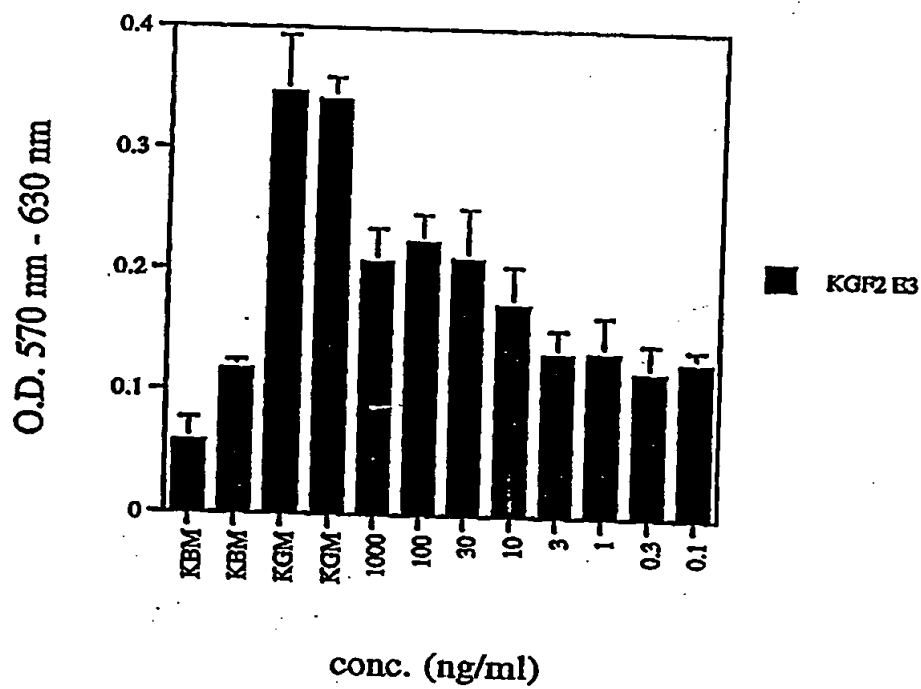


Figure 21A



**Figure 21B**

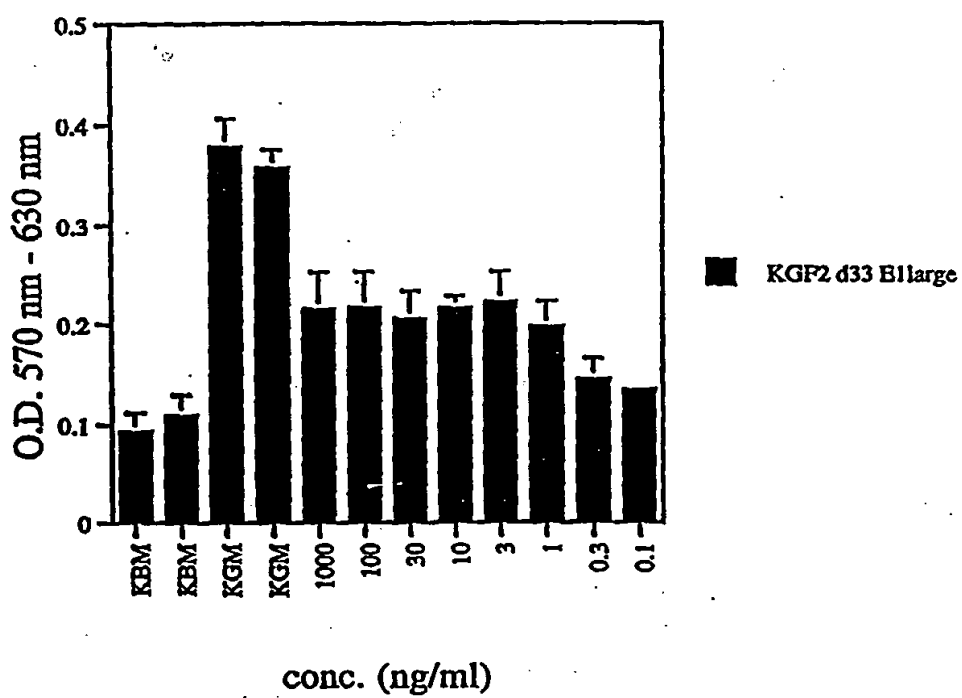


Figure 21C

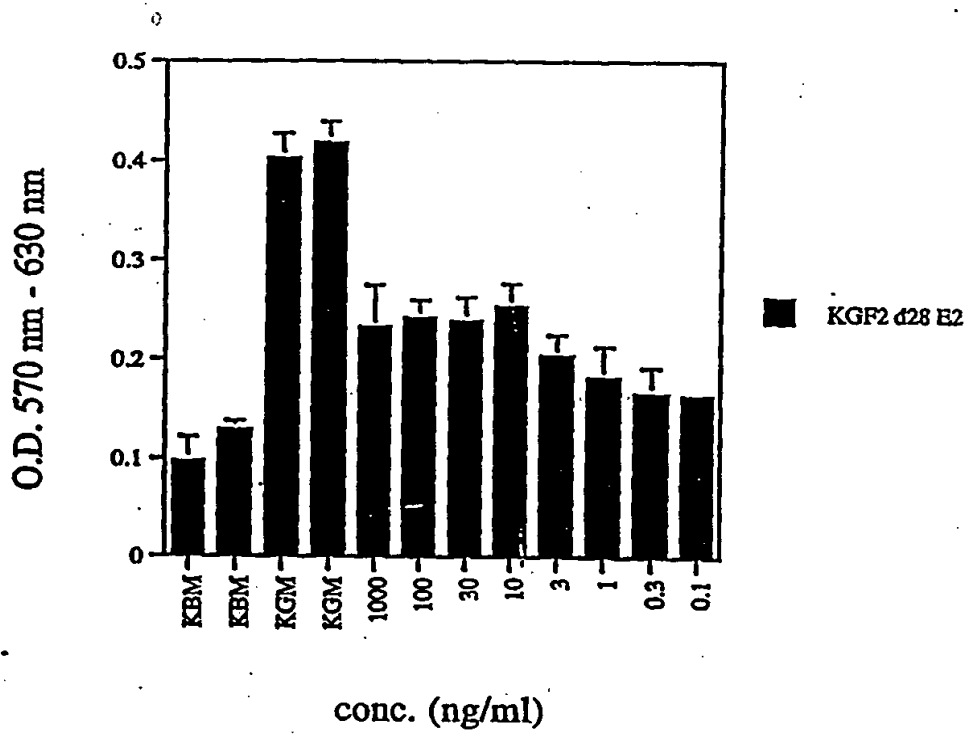


Figure 22A

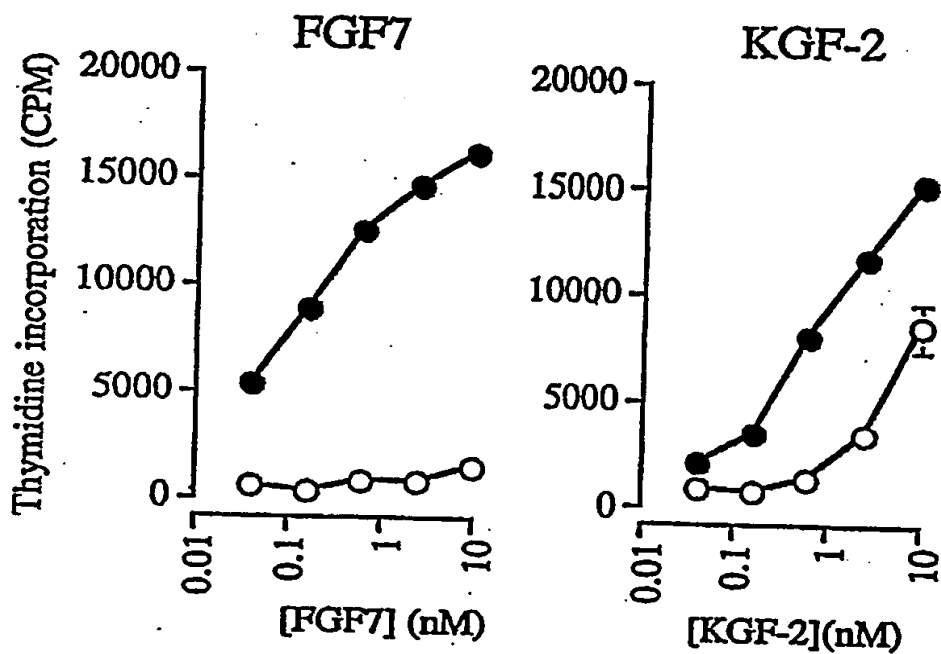


Figure 22B

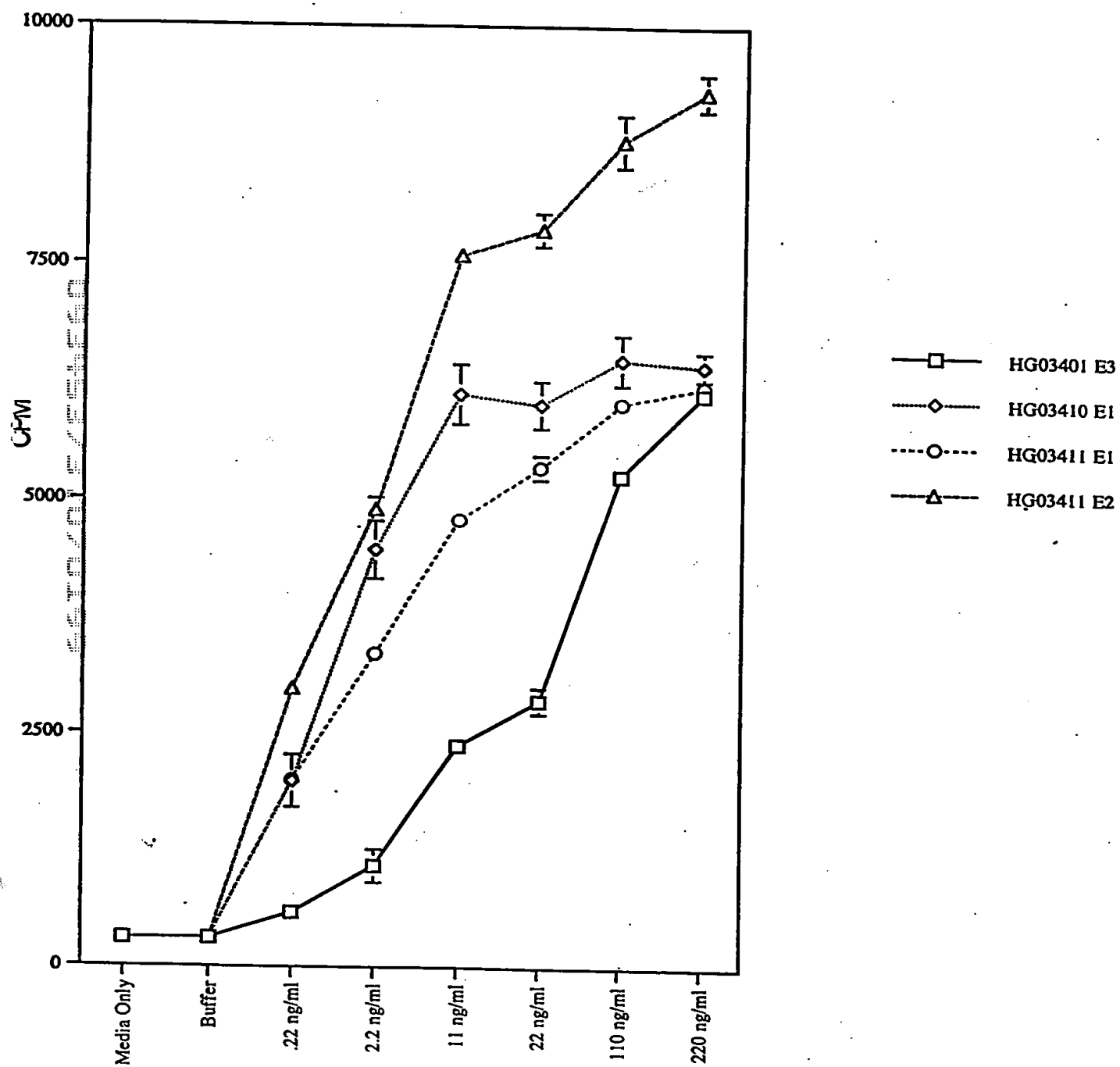
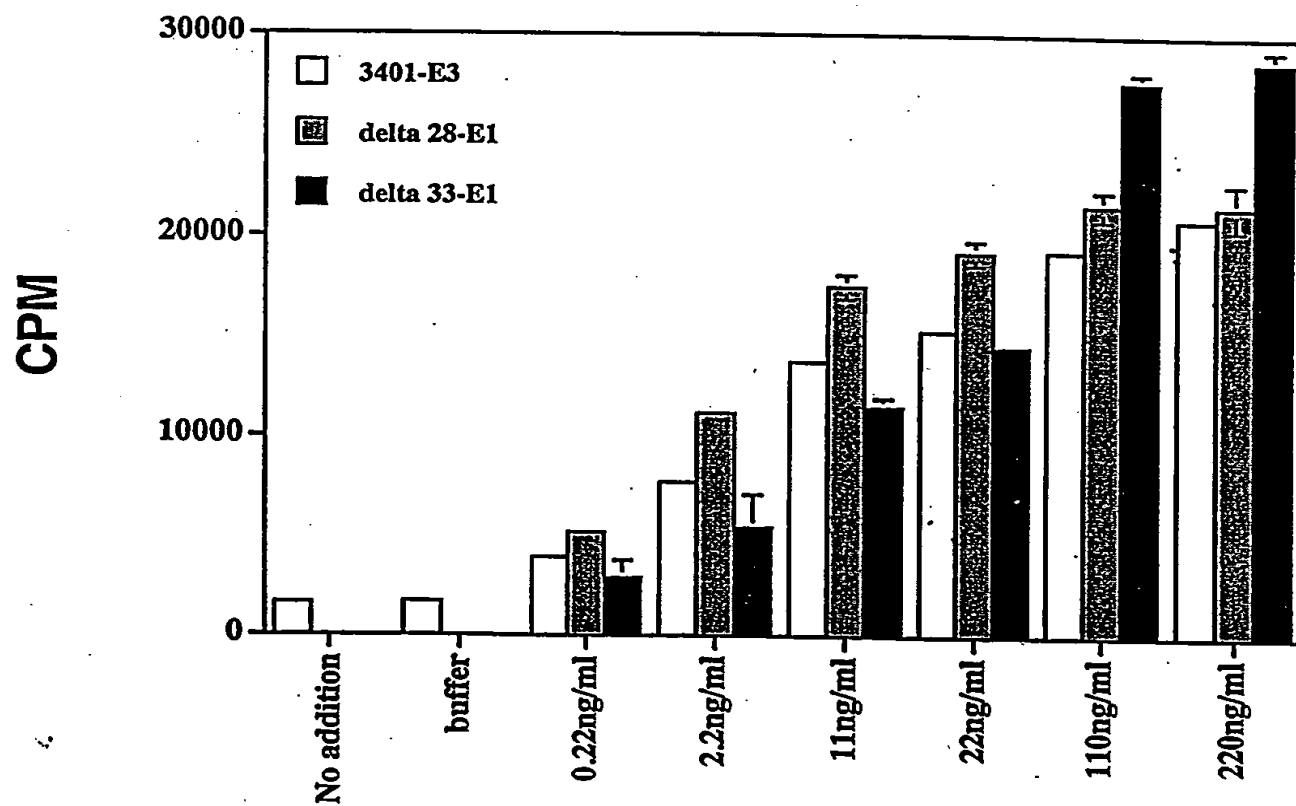


Figure 22C



## Figure 23

ATGTGGAAATGGATACTGACCCACTGCGCTTCTGCTTTCCCGCACCTGCCGGGTTGCTGC 60  
 Met Trp Lys Trp Ile Leu Thr His Cys Ala Ser Ala Phe Pro His Leu Pro Gly Cys Cys

TGCTGCTGCTTCCTGCTGCTGTTCTTCTGTTCCGGTTACCTGCCAGGCTCTG 120  
 Cys Cys Cys Phe Leu Leu Leu Phe Leu Val Ser Ser Val Pro Val Thr Cys Gln Ala Leu

GGTCAGGACATGGTTTCTCCGGAAGCTACCAACTCTTCCTCTTCTCTTCTTCCCCG 180  
 Gly Gln Asp Met Val Ser Pro Glu Ala Thr Asn Ser Ser Ser Ser Ser Phe Ser Ser Pro

ACTTCCGCTGGTCGTCACGTTCTTACAACCACCTGCAGGGTGACGTTCTGTTGGCGT 240  
 Thr Ser Ala Gly Arg His Val Arg Ser Tyr Asn His Leu Gln Gly Asp Val Arg Trp Arg

AAAGTGTCTCTTTCACCAAATACTTCCTGAAAATCGAAAAAACGGTAAAGTTTCTGGG 300  
 Lys Leu Phe Ser Phe Thr Lys Tyr Phe Leu Lys Ile Glu Lys Asn Gly Lys Val Ser Gly

ACCAAGAAGGAGAACTGCCCGTACAGCATCCTGGAGATAACATCAGTAGAAATCGGAGTT 360  
 Thr Lys Lys Glu Asn Cys Pro Tyr Ser Ile Leu Glu Ile Thr Ser Val Glu Ile Gly Val

GTTGCCGTCAAAGCCATTAACAGCAACTATTACTTAGCCATGAACAAGAAGGGGAAACTC 420  
 Val Ala Val Lys Ala Ile Asn Ser Asn Tyr Tyr Leu Ala Met Asn Lys Lys Gly Lys Leu

TATGGCTCAAAGAATTTAACAATGACTGTAAGCTGAAGGAGAGGATAGAGGAAAATGGA 480  
 Tyr Gly Ser Lys Glu Phe Asn Asn Asp Cys Lys Leu Lys Glu Arg Ile Glu Glu Asn Gly

TACAATACCTATGCATCATTTAACTGGCAGCATAATGGGAGGCAAATGTATGTGGCATTG 540  
 Tyr Asn Thr Tyr Ala Ser Phe Asn Trp Gln His Asn Gly Arg Gln Met Tyr Val Ala Leu

AATGGAAAAGGAGCTCCAAGGAGAGGACAGAAAACACGAAGGAAAAACACCTCTGCTCAC 600  
 Asn Gly Lys Gly Ala Pro Arg Arg Gly Gln Lys Thr Arg Arg Lys Asn Thr Ser Ala His

TTTCTTCCAATGGTGGTACACTCATAG 627  
 Phe Leu Pro Met Val Val His Ser



## Figure 24A

ATGACCTGCCAGGCTCTGGGTCAGGACATGGTTTCTCCGGAAGCTACCAACTCTTCCTCT 60  
Met Thr Cys Gln Ala Leu Gly Gln Asp Met Val Ser Pro Glu Ala Thr Asn Ser Ser Ser  
TCCTCTTTCTCTTCCCCGTCTTCCGCTGGTCGTCACGTTTCGTTCTTACAACCACCTGCAG 120  
Ser Ser Phe Ser Ser Pro Ser Ser Ala Gly Arg His Val Arg Ser Tyr Asn His Leu Gln  
GGTGACGTTTCGTTGGCGTAAACTGTTCTCTTTCACCAAATACTTCCTGAAAATCGAAAAA 180  
Gly Asp Val Arg Trp Arg Lys Leu Phe Ser Phe Thr Lys Tyr Phe Leu Lys Ile Glu Lys  
AACGGTAAAGTTTCTGGGACCAAGAAGGAGAACTGCCCGTACAGCATCCTGGAGATAACA 240  
Asn Gly Lys Val Ser Gly Thr Lys Lys Glu Asn Cys Pro Tyr Ser Ile Leu Glu Ile Thr  
TCAGTAGAAATCGGAGTTGTTGCCGTCAAAGCCATTAACAGCAACTATTACTTAGCCATG 300  
Ser Val Glu Ile Gly Val Val Ala Val Lys Ala Ile Asn Ser Asn Tyr Tyr Leu Ala Met  
AACAAGAAGGGGAAACTCTATGGCTCAAAAGAATTTAACAATGACTGTAAGCTGAAGGAG 360  
Asn Lys Lys Gly Lys Leu Tyr Gly Ser Lys Glu Phe Asn Asn Asp Cys Lys Leu Lys Glu  
AGGATAGAGGAAAATGGATACAATACCTATGCATCATTTAACTGGCAGCATAATGGGAGG 420  
Arg Ile Glu Glu Asn Gly Tyr Asn Thr Tyr Ala Ser Phe Asn Trp Gln His Asn Gly Arg  
CAAATGTATGTGGCATTGAATGGAAAAGGAGCTCCAAGGAGAGGACAGAAAACACGAAGG 480  
Gln Met Tyr Val Ala Leu Asn Gly Lys Gly Ala Pro Arg Arg Gly Gln Lys Thr Arg Arg  
AAAAACACCTCTGCTCACTTTCTTCCAATGGTGGTACACTCATAG 525  
Lys Asn Thr Ser Ala His Phe Leu Pro Met Val Val His Ser •

Figure 24B

ATGACTTGCCAGGCACTGGGTCAAGACATGGTTTCCCCGGAAGCTACCAACAGCTCCAGCTCTAGCTTCA  
TACTGAACGGTCCGTGACCCAGTTCTGTACCAAGGGGCCTTCGATGGTTGTCGAGGTCGAGATCGAAGT 70

M T C Q A L G Q D M V S P E A T N S S S S S F  
GCAGCCCATCTAGCGCAGGTCGTACGTTTCGCTCTTACAACCACTTACAGGGTGATGTTTCGTTGGCGCAA  
CGTCGGGTAGATCGCGTCCAGCAGTGCAAGCGAGAATGTTGGTGAATGTCCCACTACAAGCAACCGCGTT 140

S S P S S A G R H V R S Y N H L Q G D V R W R K  
ACTGTTACGCTTTACCAAGTACTTCTGAAAATCGAAAAAACGGTAAAGTTTCTGGGACCAAGAAGGAG  
TGACAAGTCGAAATGGTTCATGAAGGACTTTTAGCTTTTTTTGCCATTTCAAAGACCCTGGTTCTTCTCTC 210

L F S F T K Y F L K I E K N G K V S G T K K E  
AACTGCCCCGTACAGCATCCTGGAGATAACATCAGTAGAAATCGGAGTTGTTGCCGTCAAAGCCATTAACA  
TTGACGGGCATGTCGTAGGACCTCTATTGTAGTCATCTTTAGCCTCAACAACGGCAGTTTCGGTAATTGT 280

N C P Y S I L E I T S V E I G V V A V K A I N  
GCAACTATTACTTAGCCATGAACAAGAAGGGGAAACTCTATGGCTCAAAAGAATTTAAACAATGACTGTAA  
CGTTGATAATGAATCGGTACTTGTCTTCCCCTTTGAGATACCGAGTTTTCTTAAATTGTTACTGACATT 350

S N Y Y L A M N K K G K L Y G S K E F N N D C K  
GCTGAAGGAGAGGATAGAGGAAAATGGATACAATACCTATGCATCATTTAACTGGCAGCATAATGGGAGG  
CGACTTCTCTCCTATCTCCTTTTACCTATGTTATGGATACGTAGTAAATTGACCGTCGTATTACCCTCC 420

L K E R I E E N G Y N T Y A S F N W Q H N G R  
CAAATGTATGTGGCATTGAATGAAAAGGAGCTCCAAGGAGAGGACAGAAAACGAAGGAAAAACACCT  
GTTACATACACCGTAACTTACCTTTTCTCGAGGTTCTCTCTGTCTTTTGTGCTTCTTTTGTGGA 490

Q M Y V A L N G K G A P R R G Q K T R R K N T  
CTGCTCACTTTCTTCCAATGGTGGTACACTCATAG  
GACGAGTGAAAGAAGGTTACCACCATGTGAGTATC 525

S A H F L P M V V H S

## Figure 25

ATGACCTGCCAGGCTCTGGGTCAGGACATGGTTTCTCCGGAAGCTACCAACTCTTCC  
TCTTCCTCCTTTCTCTTCCCCGTCTTCCGCTGGTCGTCACGTTTCGTTCTTACAACCACCT  
GCAGGGTGACGTTTCGTTGGCGTAAACTGTTCTCTTTCACCAAATACTTCTGAAAAT  
CGAAAAAAACGGTAAAGTTTCTGGGACCAAGAAGGAGAACTGCCCCGTACAGCATCC  
TGGAGATAACATCAGTAGAAATCGGAGTTGTTGCCGTCAAAGCCATTAACAGCAAC  
TATTACTTAGCCATGAACAAGAAGGGGAAACTCTATGGCTCAAAGAATTAAACA  
TGACTGTAAGCTGAAGGAGAGGATAGAGGAAAATGGATACAATACCTATGCATCAT  
TTAACTGGCAGCATAATGGGAGGCAAATGTATGTGGCATTGAATGGAAAAGGAGCT  
CCAAGGAGAGGACAGAAAACACGAAGGAAAAACACCTCTGCTCACTTTCTTCCAAT  
GGTGGTACACTCATAG

MTCQALGQDMVSPEATNSSSSSFSSPSSAGRHVRSYNHLQGDVRWRKLFSFTKYFLKIE  
KNGKVSGTKKENCPYSILEITSVEIGVVAVKAINSNYLAMNKKGKLYGSKEFNNDCKL  
KERIEENGYNTYASFNWQHNGRQMYVALNGKGAPRRGQKTRRKNTSAHFLPMVVHS.

Figure 26

ATGGCTGGTCGTCACGTTTCGTTCTTACAACCACCTGCAGGGTGACGTTTCGTTGGCGT  
AAACTGTTCTCTTTCACCAAATACTTCTGAAAATCGAAAAAACGGTAAAGTTTCT  
GGGACCAAGAAGGAGAACTGCCCGTACAGCATCCTGGAGATAACATCAGTAGAAAT  
CGGAGTTGTTGCCGTCAAAGCCATTAACAGCAACTATTACTTAGCCATGAACAAGAA  
GGGGAAACTCTATGGCTCAAAGAATTTAACAATGACTGTAAGCTGAAGGAGAGGA  
TAGAGGAAAATGGATAACAATACCTATGCATCATTTAACTGGCAGCATAATGGGAGG  
CAAATGTATGTGGCATTGAATGGAAAAGGAGCTCCAAGGAGAGGACAGAAAACAC  
GAAGGAAAAACACCTCTGCTCACTTTCTTCCAATGGTGGTACACTCATAG

MAGRHVRSYNHLQGDVRWRKLFSFTKYFLKIEKNGKVSGTKKENCPYSILEITSVEIGV  
VAVKAINSNYLAMNKKGKLYGSKEFNNDCKLKERIEENGYNTYASFNWQHNGRQMY  
VALNGKGAPRRGQKTRRKNTSAHFLPMVVHS.

## Figure 27

ATGGTTCGTTGGCGTAAACTGTTCTCTTTCACCAAATACTTCCTGAAAATCGAAAAA  
AACGGTAAAGTTTCTGGGACCAAGAAGGAGAACTGCCCCGTACAGCATCCTGGAGAT  
AACATCAGTAGAAATCGGAGTTGTTGCCGTCAAAGCCATTAACAGCAACTATTACTT  
AGCCATGAACAAGAAGGGGAAACTCTATGGCTCAAAAGAATTTAACAATGACTGTA  
AGCTGAAGGAGAGGATAGAGGAAAATGGATACAATACCTATGCATCATTAACTGG  
CAGCATAATGGGAGGCAAATGTATGTGGCATTGAATGGAAAAGGAGCTCCAAGGAG  
AGGACAGAAAACACGAAGGAAAAACACCTCTGCTCACTTTCTTCCAATGGTGGTAC  
ACTCATAG

MVRWRKLSFTKYFLKIEKNGKVSGTKKENCPYSILEITSVEIGVVAVKAINSNYYLAM  
NKKGKLYGSKEFNNDCKLKERIEENGYNTYASFNWQHNGRQMYVALNGKGAPRRGQ  
KTRRKNTSAHFLPMVVHS.

### Figure 28

ATGGAAAAAACGGTAAAGTTTCTGGGACCAAGAAGGAGAACTGCCCGTACAGCAT  
CCTGGAGATAACATCAGTAGAAATCGGAGTTGTTGCCGTCAAAGCCATTAACAGCA  
ACTATTACTTAGCCATGAACAAGAAGGGGAAACTCTATGGCTCAAAGAATTTAAC  
AATGACTGTAAGCTGAAGGAGAGGATAGAGGAAAATGGATACAATACCTATGCATC  
ATTTAACTGGCAGCATAATGGGAGGCCAAATGTATGTGGCATTGAATGGAAAAGGAG  
CTCCAAGGAGAGGACAGAAAACACGAAGGAAAAACACCTCTGCTCACTTTCTTCCA  
ATGGTGGTACACTCATAG

MEKNGKVS G T K K E N C P Y S I L E I T S V E I G V V A V K A I N S N Y Y L A M N K K G K L Y G S K E F N N D C  
K L K E R I E E N G Y N T Y A S F N W Q H N G R Q M Y V A L N G K G A P R R G Q K T R R K N T S A H F L P M V V H  
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## Figure 29

ATGGAGAACTGCCCCGTACAGCATCCTGGAGATAACATCAGTAGAAATCGGAGTTGT  
TGCCGTCAAAGCCATTAAACAGCAACTATTACTTAGCCATGAACAAGAAGGGGAAAC  
TCTATGGCTCAAAAGAATTTAACAATGACTGTAAGCTGAAGGAGAGGATAGAGGAA  
AATGGATACAATACCTATGCATCATTTAACTGGCAGCATAATGGGAGGCAAATGTA  
TGTGGCATTGAATGGAAAAGGAGCTCCAAGGAGAGGACAGAAAACACGAAGGAAA  
AACACCTCTGCTCACTTTCTTCCAATGGTGGTACACTCATAG

MENCPYSILEITSVEIGVVAVKAINSNYLAMNKKGKLYGSKEFNNDCKLKERIEENGY  
NIYASFNWQHNGRQMYVALNGKGAPRRGQKTRRKNTSAHFLPMVVHS.

**Figure 30**

ATGGTCAAAGCCATTAACAGCAACTATTACTTAGCCATGAACAAGAAGGGGAAACT  
CTATGGCTCAAAAGAATTTAACAATGACTGTAAGCTGAAGGAGAGGATAGAGGAAA  
ATGGATACAATACCTATGCATCATTTAACTGGCAGCATAATGGGAGGCAAATGTATG  
TGGCATTGAATGGAAAAGGAGCTCCAAGGAGAGGACAGAAAACACGAAGGAAAAA  
CACCTCTGCTCACTTTCTTCCAATGGTGGTACACTCATAG

MVKAINSNYLAMNKKGKLYGSKEFNNDCKLKERIBENGYNTYASFNWQHNGRQMY  
VALNGKGAPRRGQKTRRKNTSAHFLPMVVHS.

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## Figure 31

ATGGGGAAACTCTATGGCTCAAAAGAATTTAACAATGACTGTAAGCTGAAGGAGAG  
GATAGAGGAAAATGGATACAATACCTATGCATCATTTAAGCTGGCAGCATAATGGGA  
GGCAAATGTATGTGGCATTGAATGGAAAAGGAGCTCCAAGGAGAGGACAGAAAAC  
ACGAAGGAAAAACACCTCTGCTCACTTTCTTCCAATGGTGGTACACTCATAG

MGKLYGSKEFNNDCKLKERIBENGYNTYASFNWQHNGRQMYVALNGKGAPRRGQKT  
RRKNTSAHFLPMVVHS.

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## Figure 32

ATGACCTGCCAGGCTCTGGGTCAGGACATGGTTTCTCCGGAAGCTACCAACTCTTCC  
TCTTCCTCTTTCTCTTCCCCGTCTTCCGCTGGTCGTCACGTTTCGTTCTTACAACCACCT  
GCAGGGTGACGTTTCGTTGGCGTAAACTGTTCTCTTTCACCAAATACTTCCTGAAAAT  
CGAAAAAACGGTAAAGTTTCTGGGACCAAGAAGGAGAAGTACCGTACAGCATCC  
TGGAGATAACATCAGTAGAAATCGGAGTTGTTGCCGTCAAAGCCATTAACAGCAAC  
TATTACTTAGCCATGAACAAGAAGGGGAAACTCTATGGCTCAAAGAATTTAACAA  
TGACTGTAAGCTGAAG

MTQALGQDMVSPEATNSSSSSFSSPSSAGRHVRSYNHLQGDVRWRKLFSTKYFLKIE  
KNGKVSGETTKENCYPYSILEITSVEIGVVAVKAINSNYLAMNKKGKLYGSKEFNNDCKL  
K

## Figure 33

ATGGCTGGTCGTCACGTTTCGTTCTTACAACCACCTGCAGGGTGACGTTTCGTTGGCGT  
AAACTGTTCTCTTTACCAAATACTTCCTGAAAATCGAAAAAACGGTAAAGTTTCT  
GGGACCAAGAAGGAGAAGTGGCCGTACAGCATCCTGGAGATAACATCAGTAGAAAT  
CGGAGTTGTTGCCGTCAAAGCCATTAACAGCAACTATTACTTAGCCATGAACAAGAA  
GGGGAAACTCTATGGCTCAAAGAATTTAACAATGACTGTAAGCTGAAG

MAGRHVRSYNHLQGDVRWRKLFSTKYFLKIEKNGKVSGTKKENCPYSILEITSVEIGV  
VAVKAINSNYLAMNKKGKLYGSKEFNNDCKLK

## Figure 34

: C-37 To Ser

ATGACCTCTCAGGCTCTGGGTCAGGACATGGTTTCTCCGGAAGCTACCAACTCTTCC  
TCTTCCTCTTTCTCTTCCCCGTCTTCCGCTGGTCGTCACGTTTCGTTCTTACAACCACCT  
GCAGGGTGACGTTTCGTTGGCGTAAACTGTTCTCTTTCACCAAATACTTCTGAAAAT  
CGAAAAAACCGGTAAAGTTTCTGGGACCAAGAAGGAGAACTGCCCGTACAGCATCC  
TGGAGATAACATCAGTAGAAATCGGAGTTGTTGCCGTCAAAGCCATTAACAGCAAC  
TATTACTTAGCCATGAACAAGAAGGGGAAACTCTATGGCTCAAAGAATTAAACAA  
TGACTGTAAGCTGAAGGAGAGGATAGAGGAAAATGGATACAATACCTATGCATCAT  
TTAACTGGCAGCATAATGGGAGGCAAATGTATGTGGCATTGAATGGAAAAGGAGCT  
CCAAGGAGAGGACAGAAAAACACGAAGGAAAAACACCTCTGCTCACTTTCTTCCAAT  
GGTGGTACACTCATAG

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## Figure 35

C-106 To Ser

ATGACCTGCCAGGCTCTGGGTCAGGACATGGTTTCTCCGGAAGCTACCAACTCTTCC  
TCTTCCTCTTTCTCTTCCCCGTCTTCCGCTGGTCGTCACGTTTCGTTCTTACAACCACCT  
GCAGGGTGACGTTTCGTTGGCGTAAACTGTTCTCTTTCACCAAATACTTCCTGAAAAT  
CGAAAAAACGGTAAAGTTTCTGGGACCAAGAAGGAGAACTCTCCGTACAGCATCC  
TGGAGATAACATCAGTAGAAATCGGAGTTGTTGCCGTCAAAGCCATTAACAGCAAC  
TATTACTTAGCCATGAACAAGAAGGGGAAACTCTATGGCTCAAAGAATTTAACAA  
TGACTGTAAGCTGAAGGAGAGGATAGAGGAAAATGGATACAATACCTATGCATCAT  
TTAACTGGCAGCATAATGGGAGGCAAATGTATGTGGCATTGAATGGAAAAGGAGCT  
CCAAGGAGAGGACAGAAAACACGAAGGAAAAACACCTCTGCTCACTTTCTTCCAAT  
GGTGGTACACTCATAG



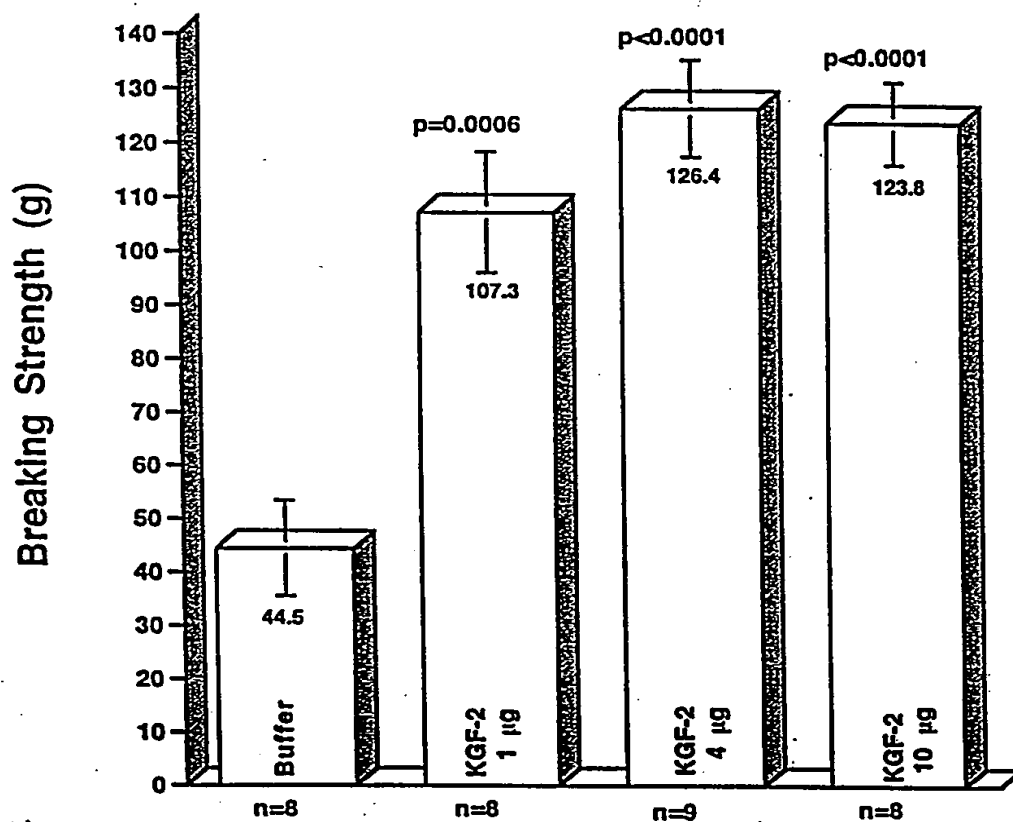
# Figure 37

## Effect of KGF-2 Δ33 on Normal Wound Healing Rat Model

Treatment Groups	Wound Size (mm)	%Wound Closure	Histological Score	Re-epith. (μm)	BrdU Score
No Treatment	25.9 ± 2.5	58.8 ± 3.7	6.8 ± 0.2	1142 ± 141	3.8 ± 0.4
Buffer	25.1 ± 1.7	60.2 ± 2.6	6.4 ± 0.2	923 ± 61	5.0 ± 0.4
KGF-2/Δ33 (0.1μg)	22.0 ± 0.9	65 ± 1.4	6.8 ± 0.2	1275 ± 148	4.6 ± 0.7
KGF-2/Δ33 (0.4 μg)	21.1 ± 1.4	68.4 ± 2.4	8.0 ± 0.5 p=0.0445*	1310 ± 182	4.2 ± 0.7
KGF-2/Δ33 (1.0μg)	19.9 ± 1.5	66.2 ± 2.1	8.4 ± 0.4 p=0.0159* p=0.0053†	1389 ± 115 p=0.0074†	3.3 ± 0.25 p=0.0217†
KGF-2/Δ33 (4.0μg)	18.1 ± 1.6 p=0.0398* p=0.0200†	71.2 ± 2.6 p=0.0367* p=0.0217†	8.5 ± 0.3 p=0.0047* p=0.0445†	1220 ± 89 p=0.0254†	5.3 ± 0.9

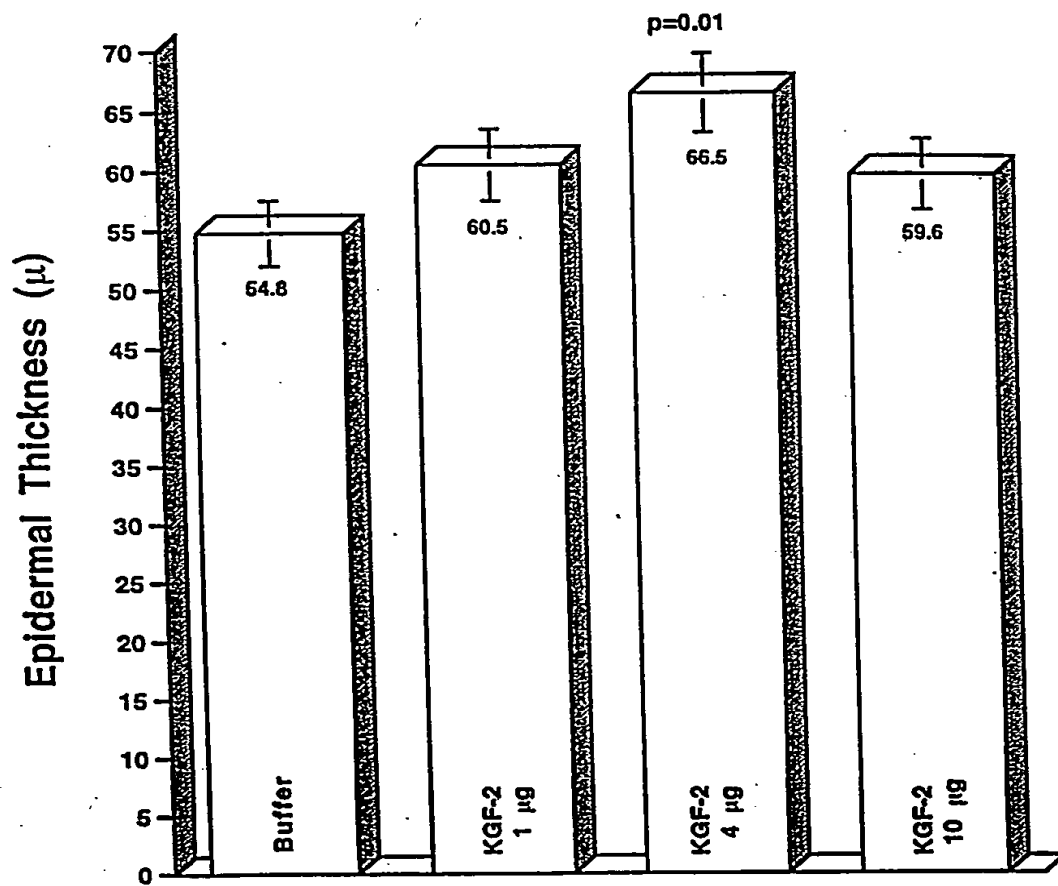
657029 "E" 2000000

**Figure 38**

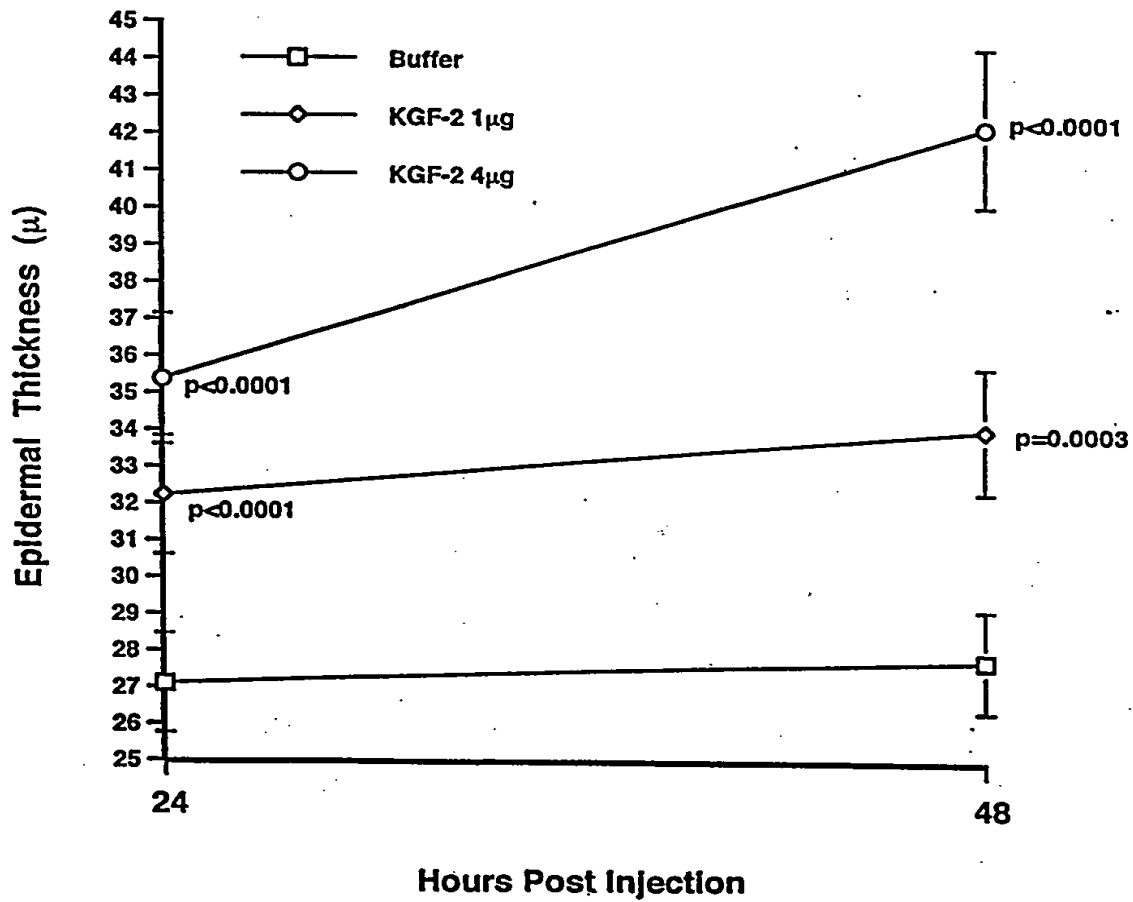




**Figure 39**

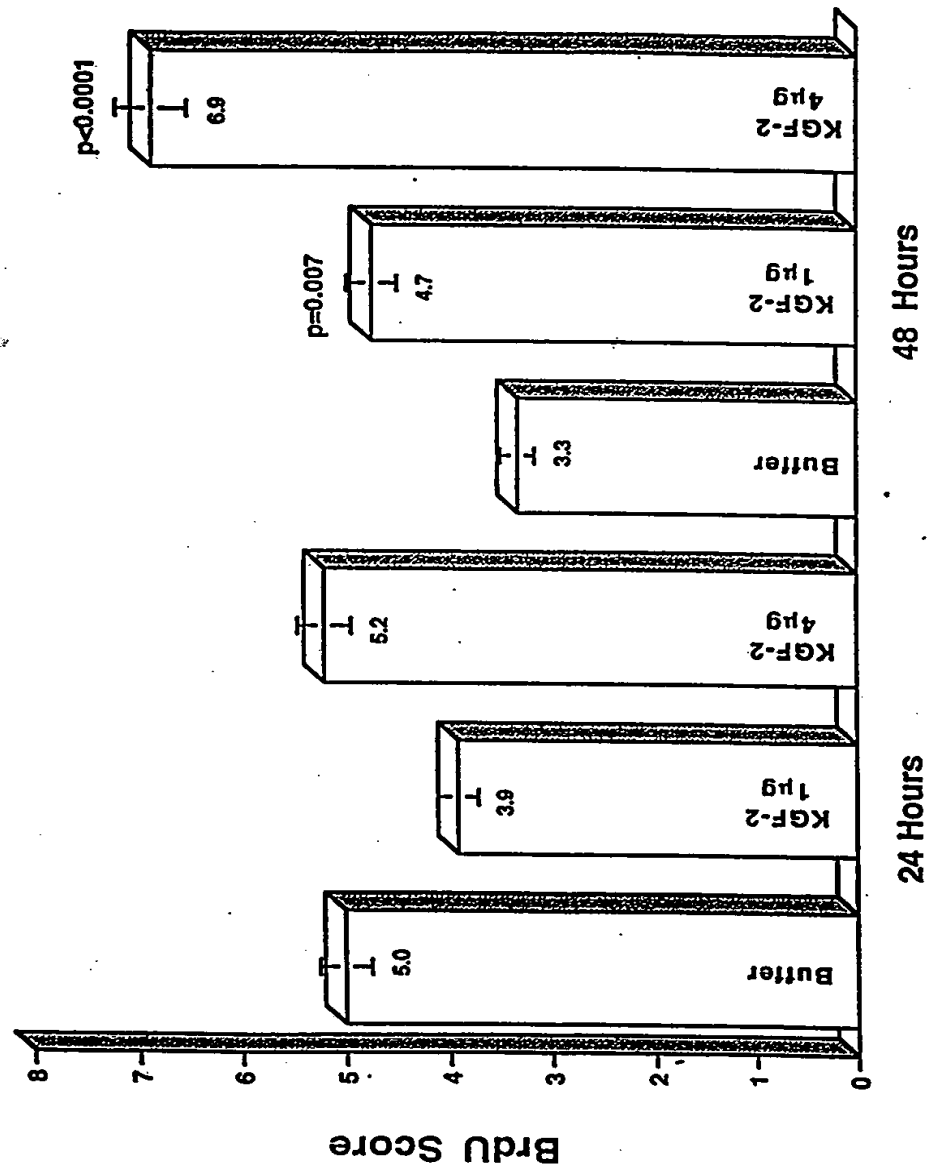


**Figure 40**



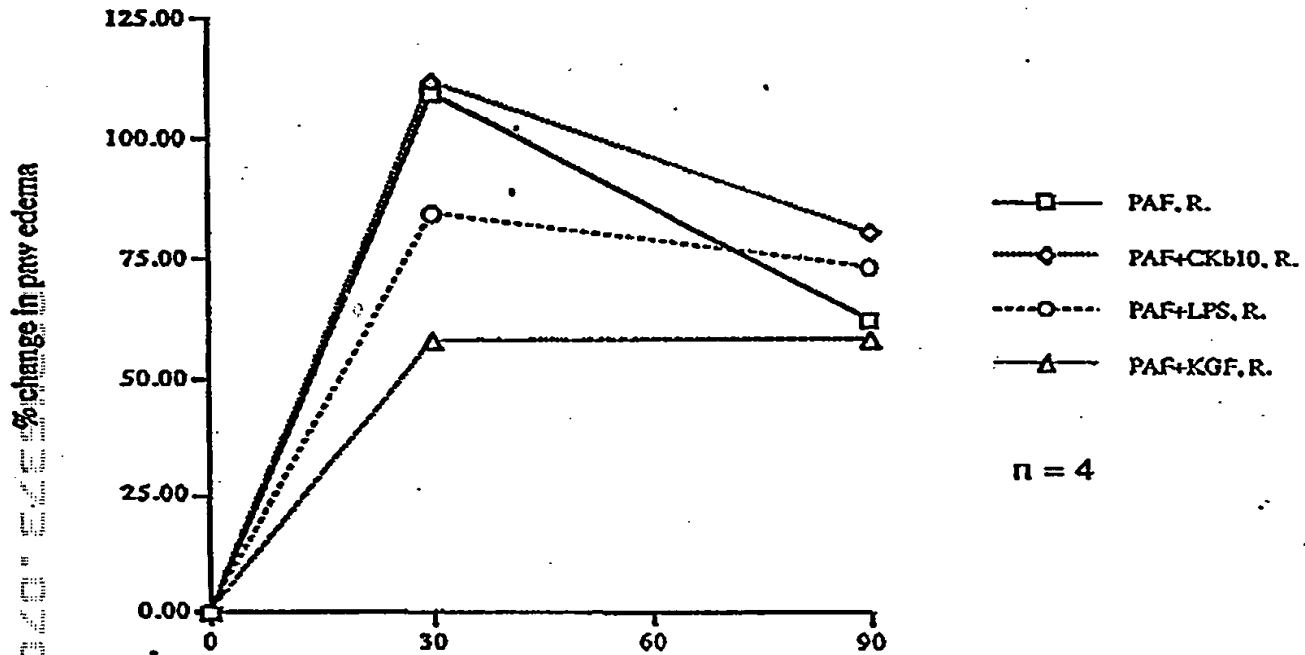
5519295/5519295

Figure 41

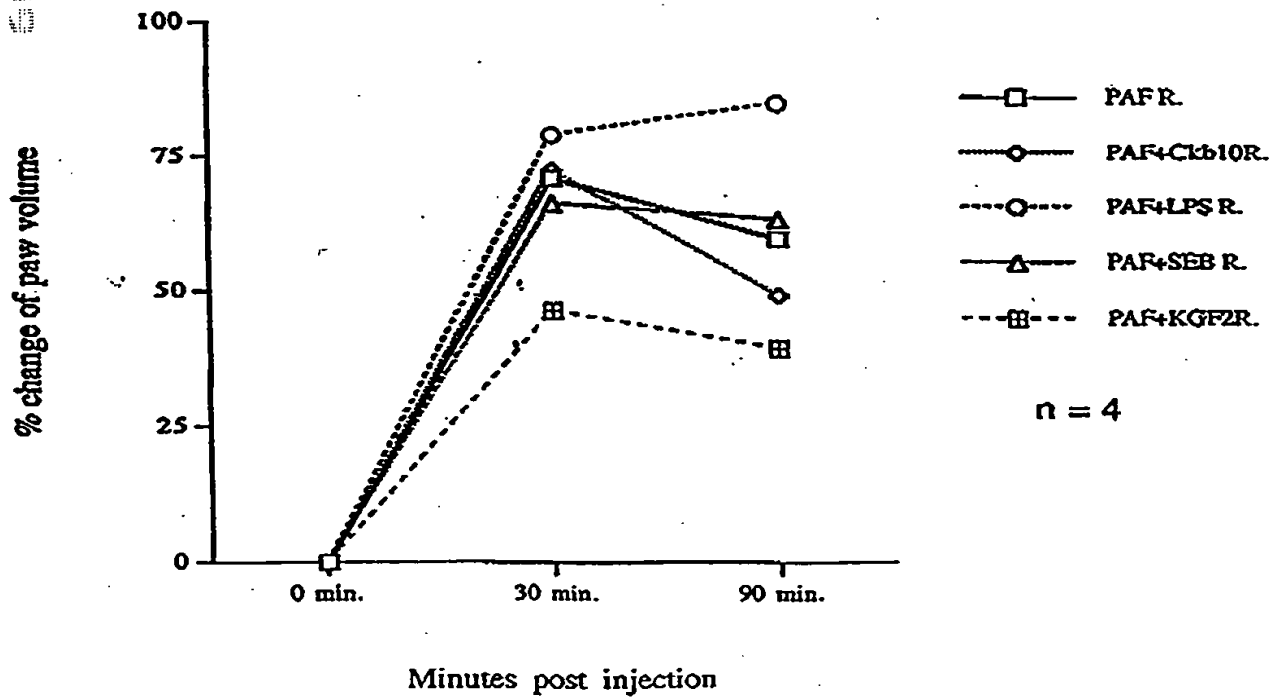


# Figure 42

No.1



No.2



# Effect of KGF-2 $\Delta 33$ on PAF-induced paw edema in Lewis rats

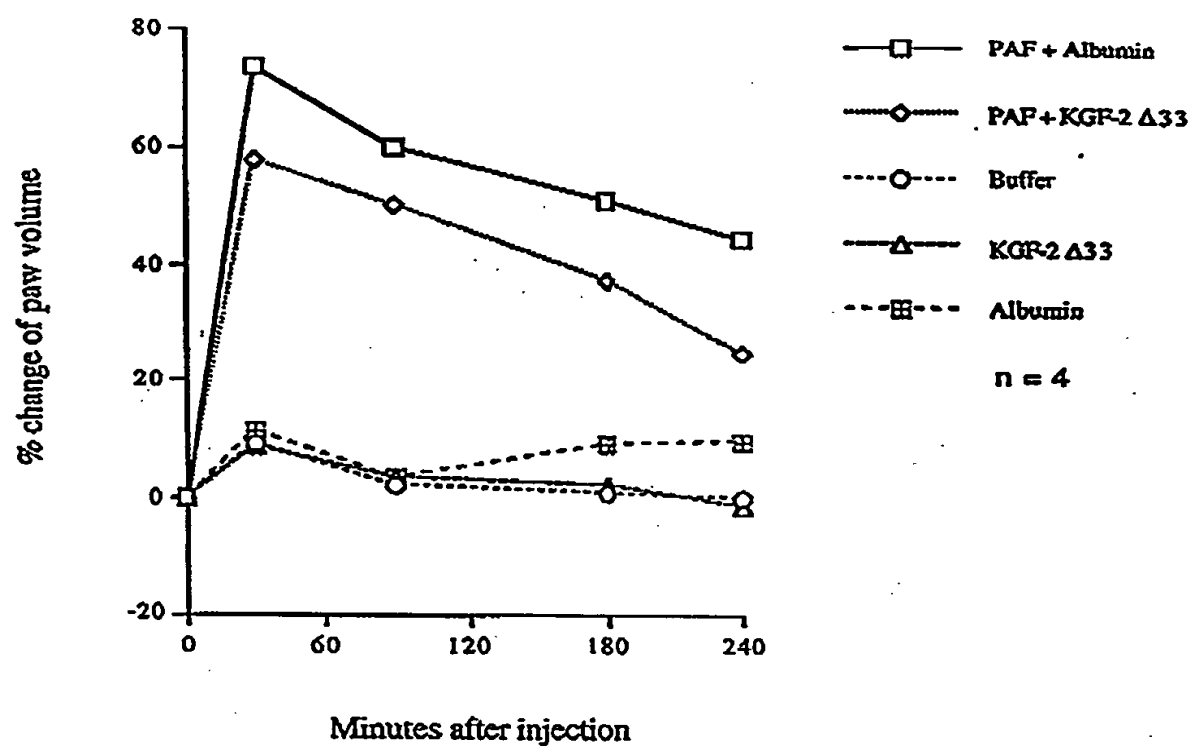


Figure 43

## Effect of KGF-2 $\Delta 33$ on Survival of Whole Body Irradiated Balb/c Mice

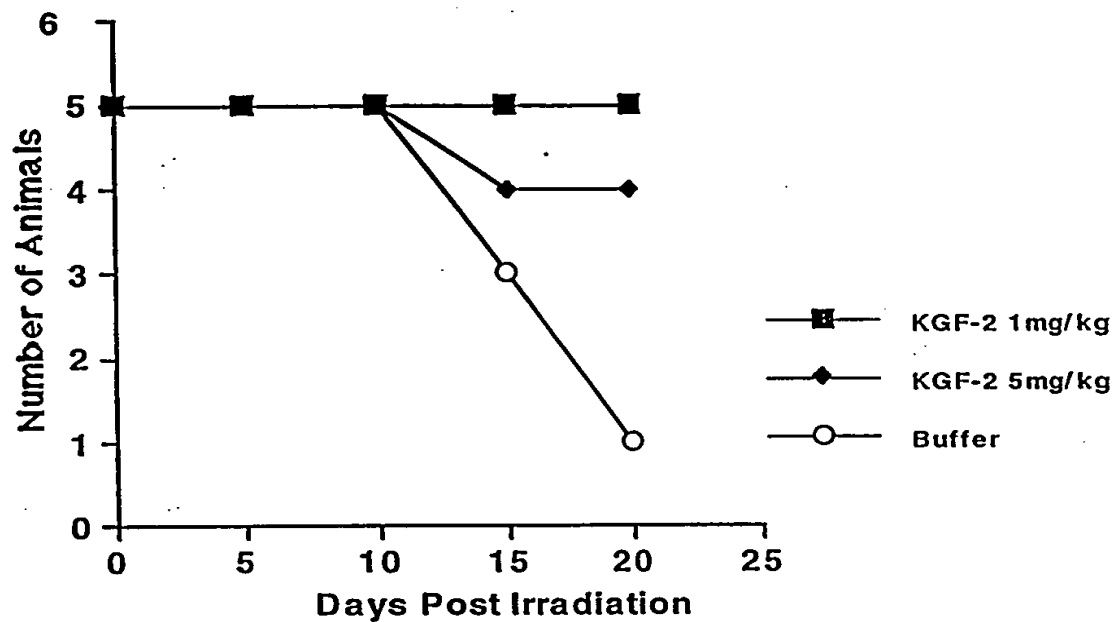


Figure 44

# Effect of KGF-2 $\Delta 33$ on Body Weight of Irradiated Mice

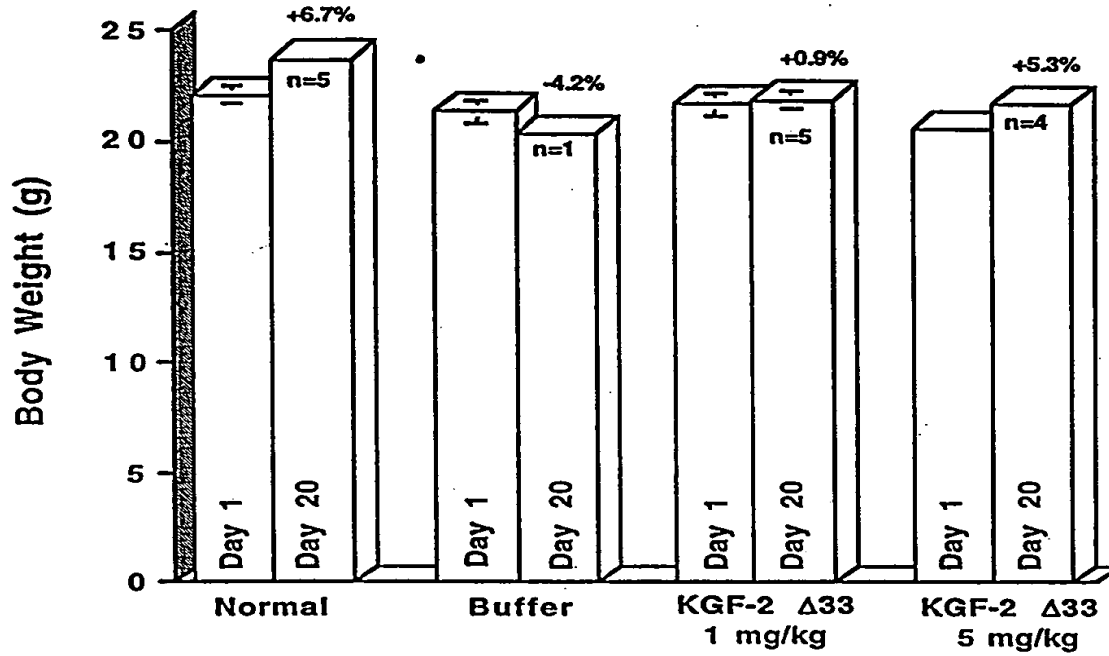


Figure 45

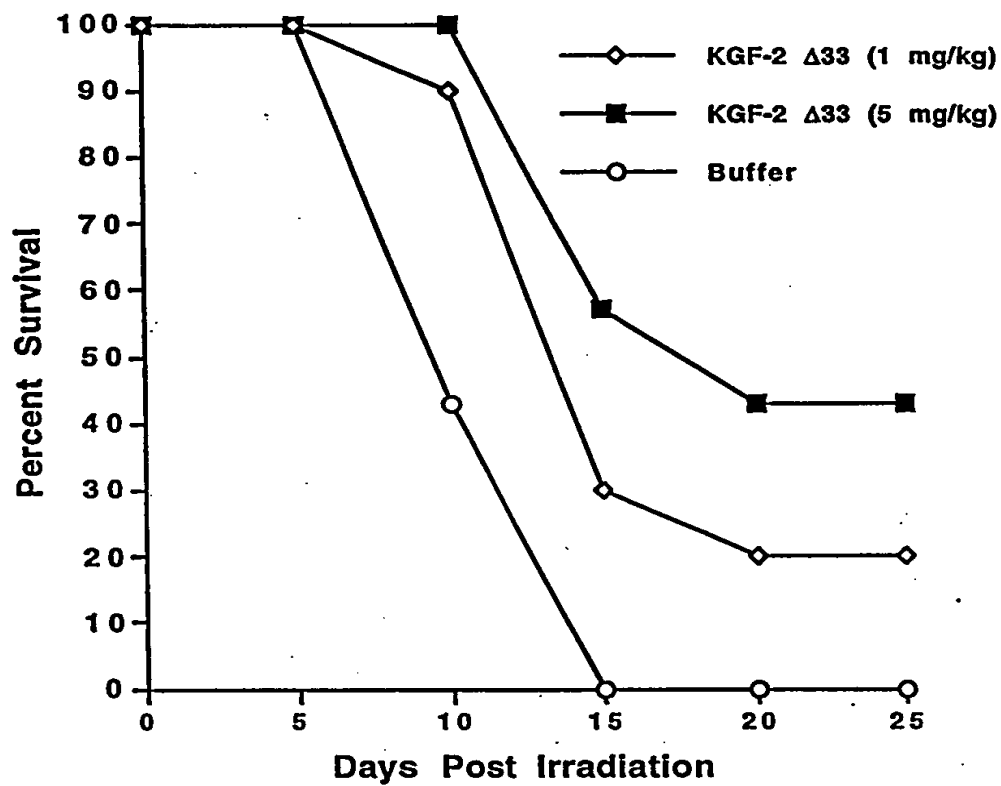
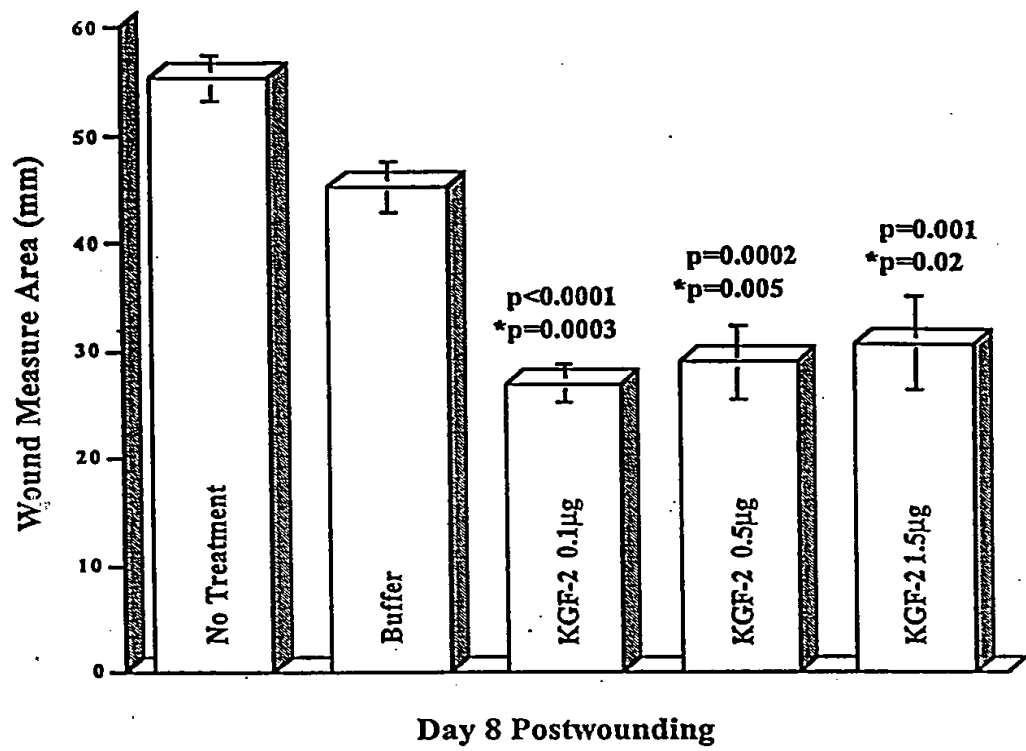


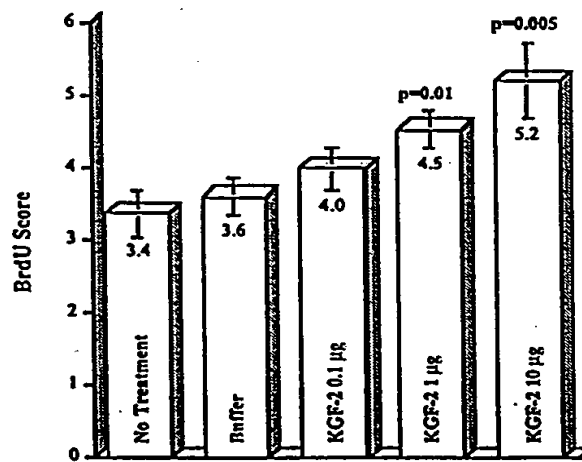
Figure 46

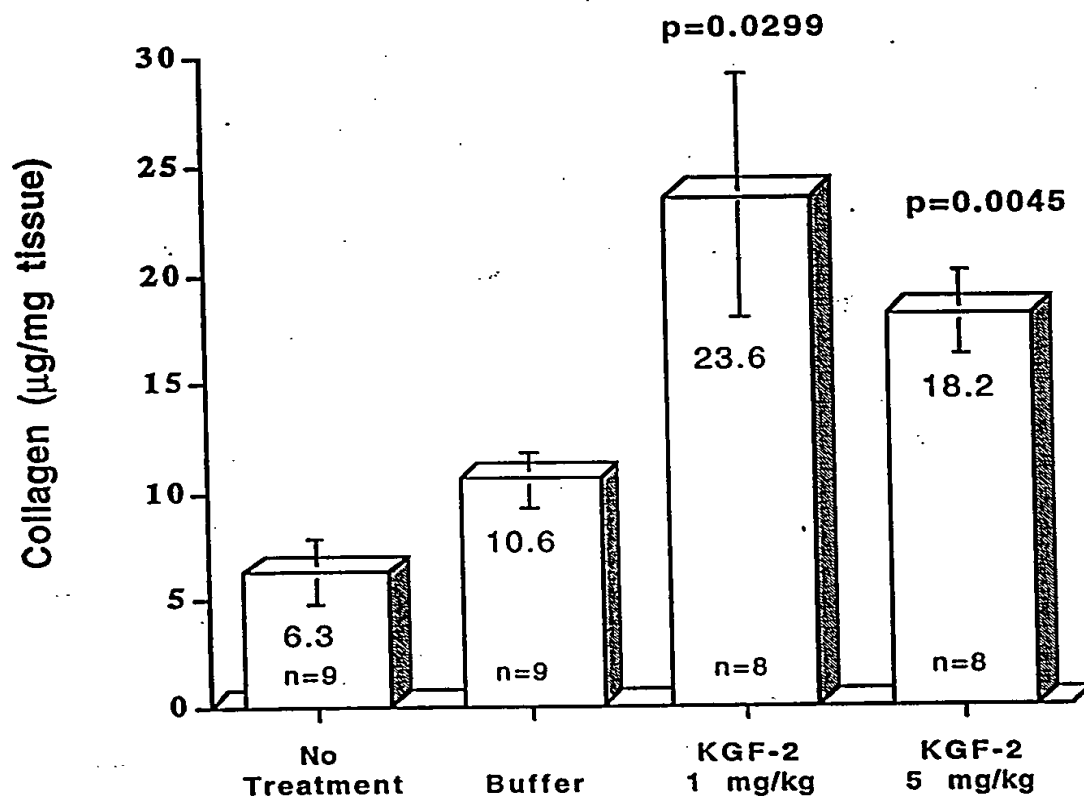




**Figure 47**

**Figure 48**





**Figure 49**

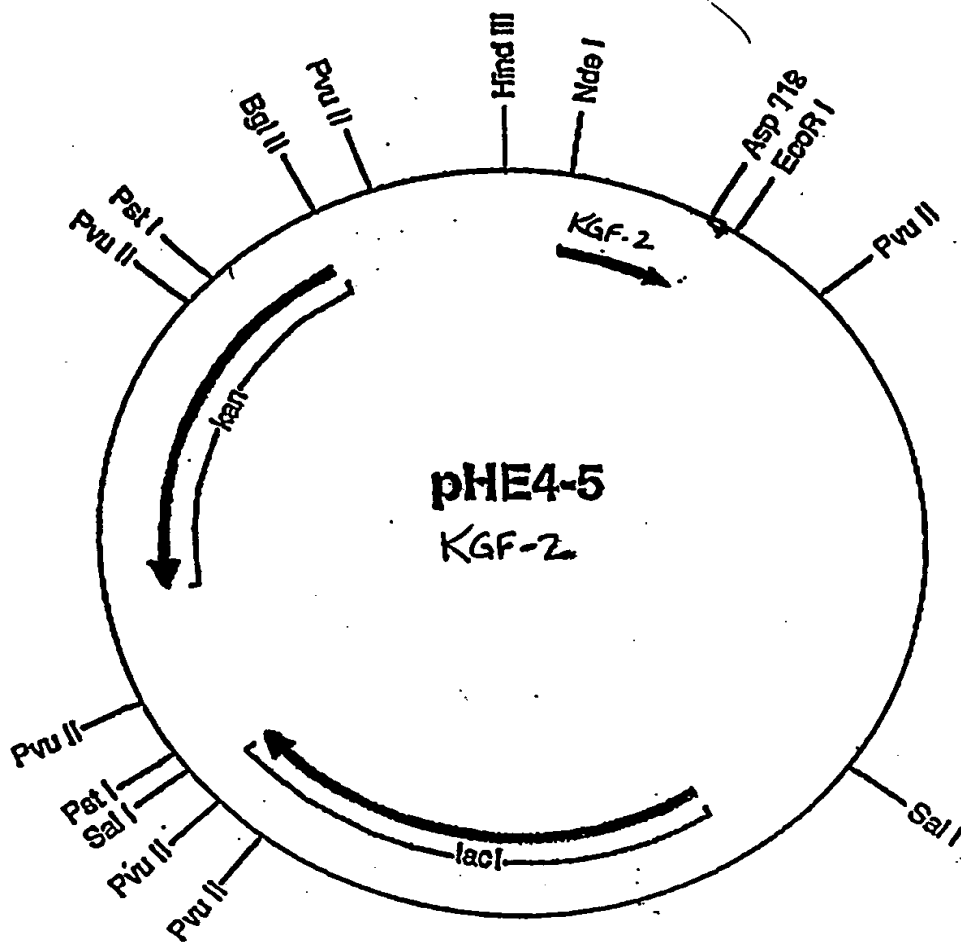


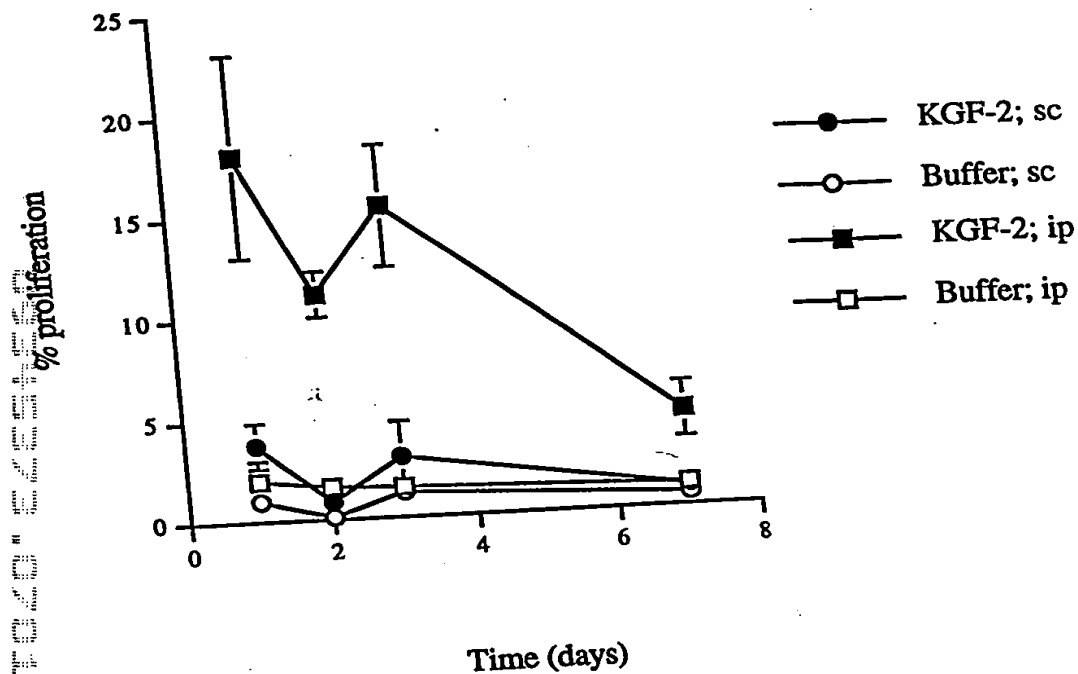
FIGURE 50



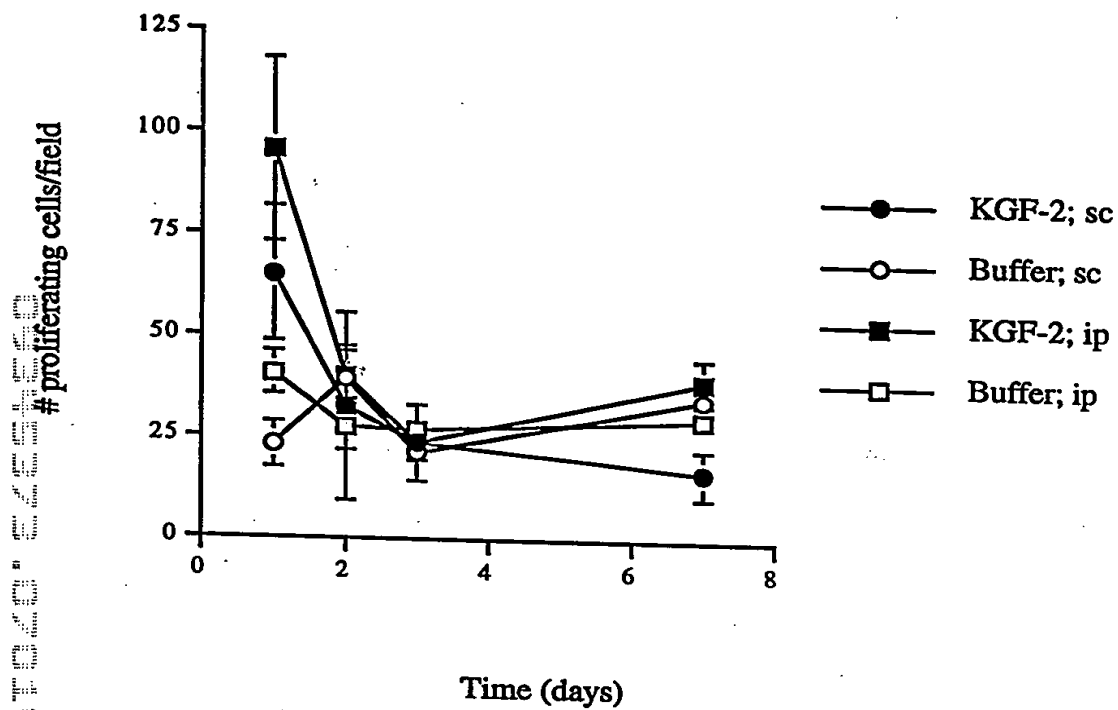
53

**-10**

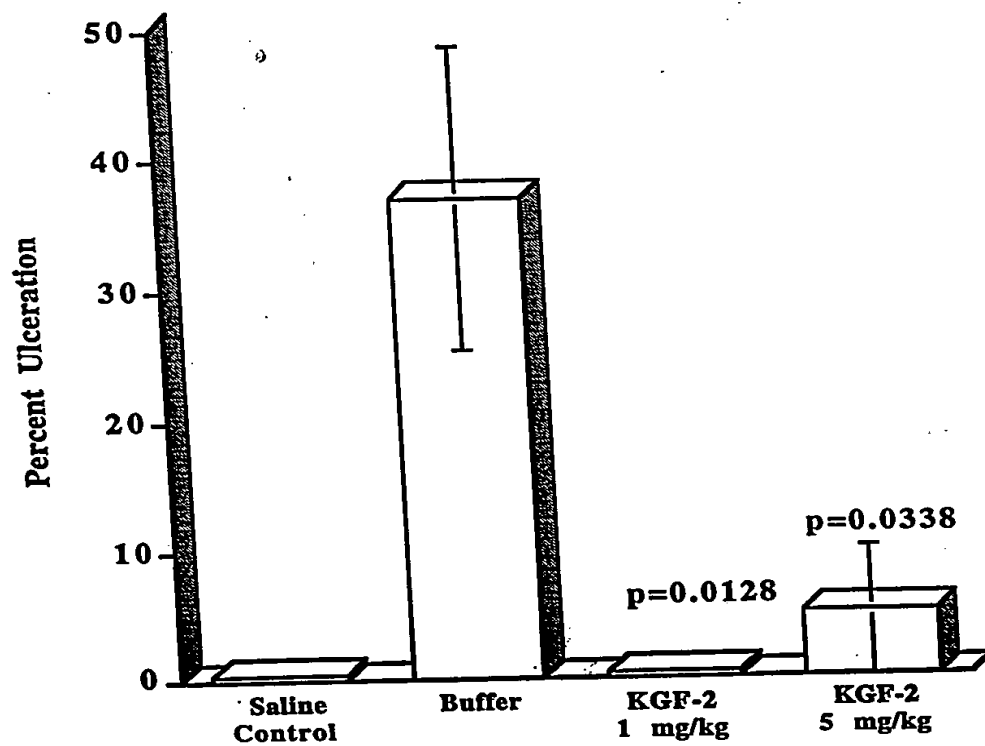
94 A G A G G A G A A A T T A C A T A T G



**FIGURE 52**



**FIGURE 53**



**FIGURE 54**



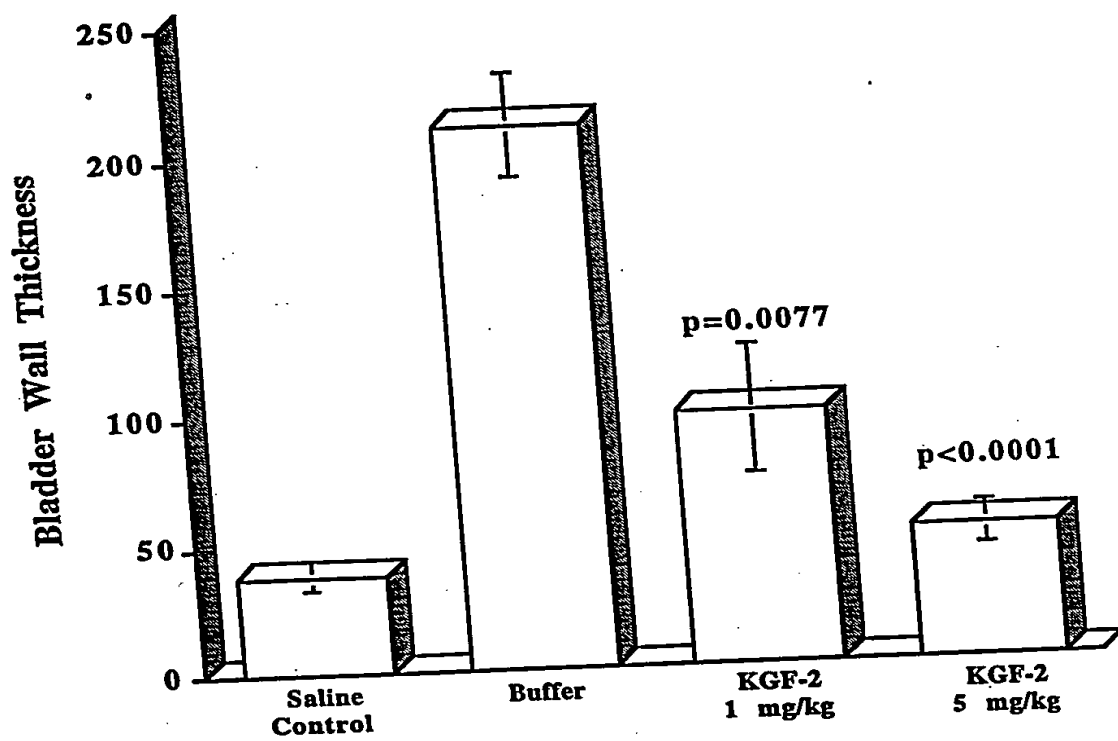
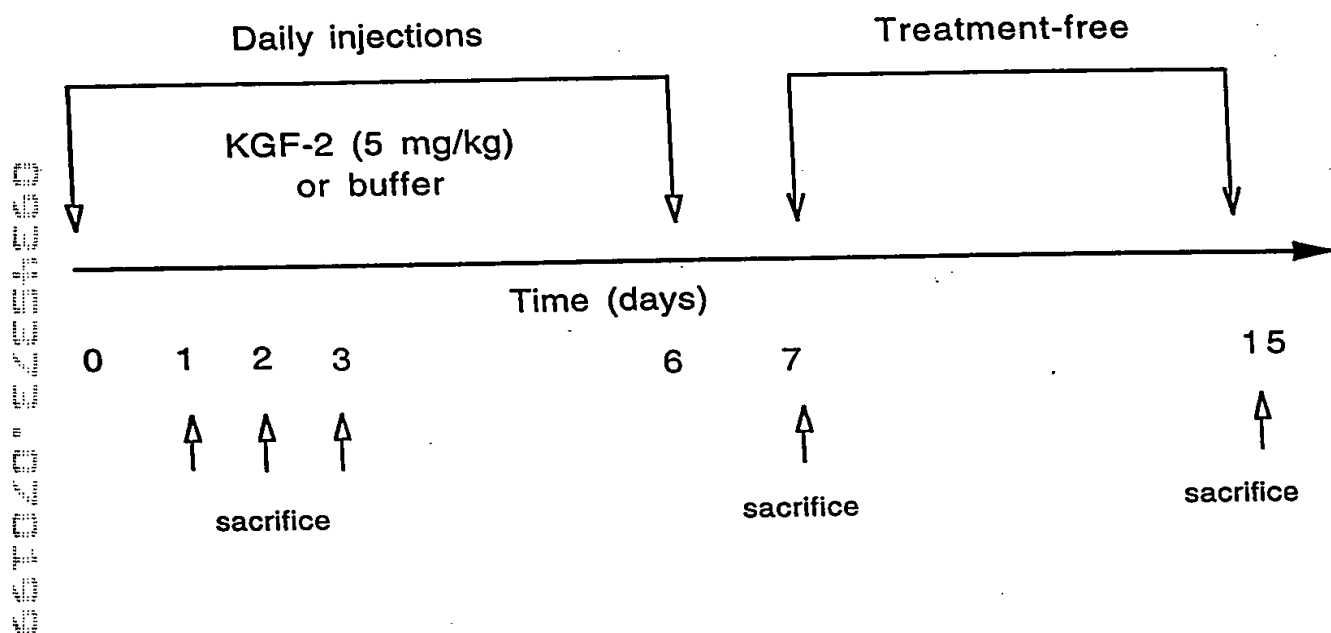


FIGURE 55



**FIGURE 56**

# Proliferation of hepatocytes following systemic administration of KGF-2

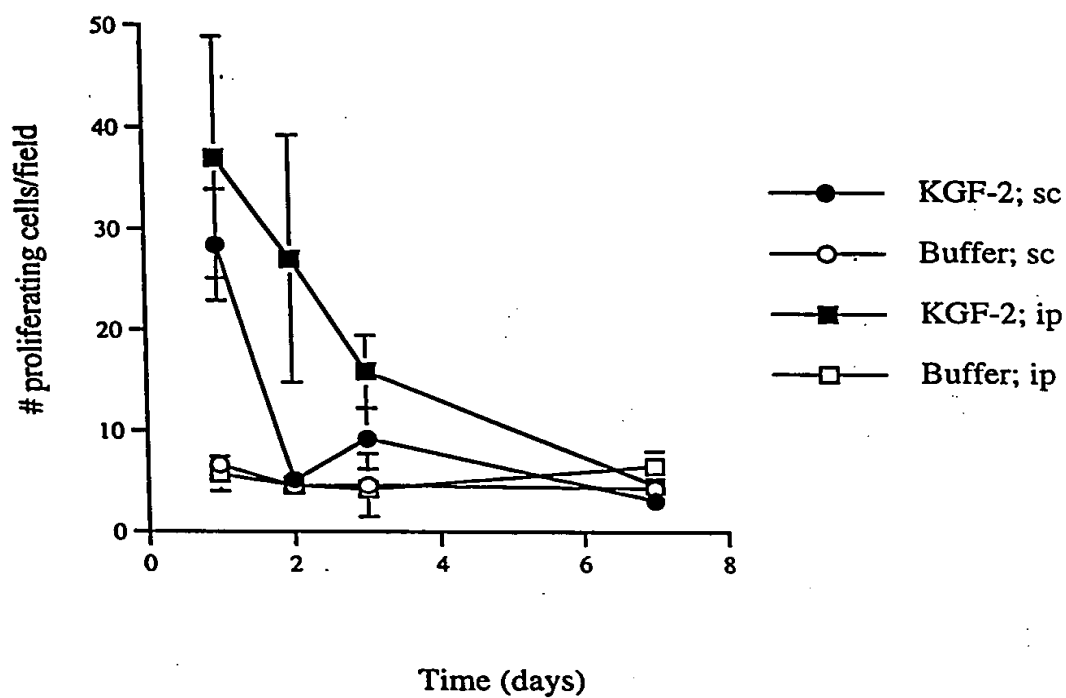
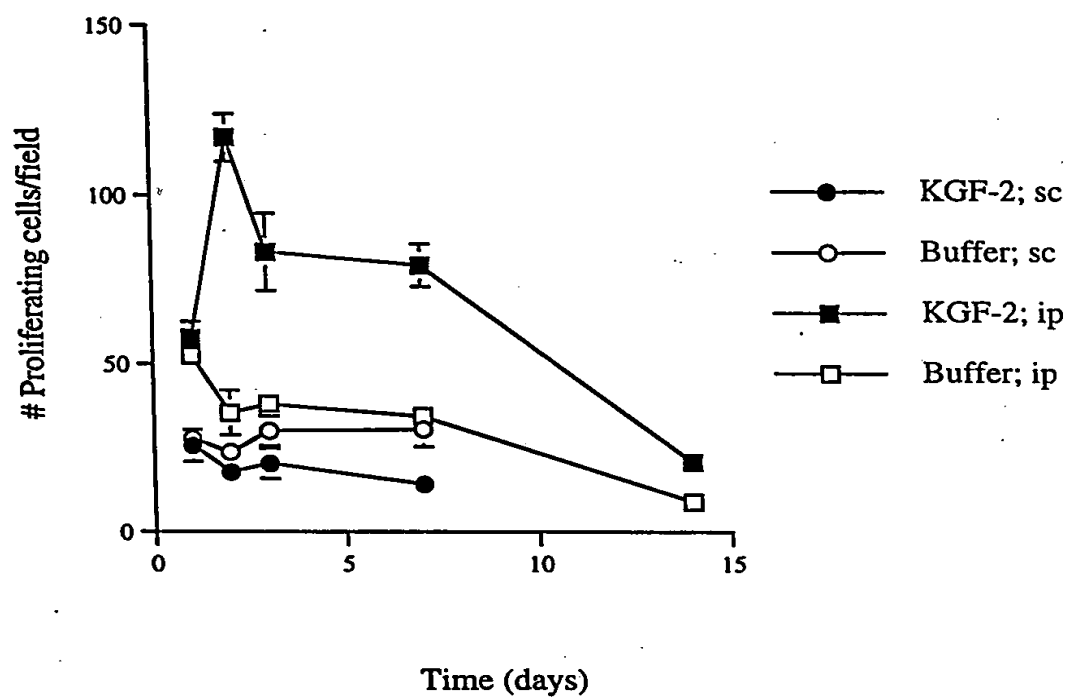


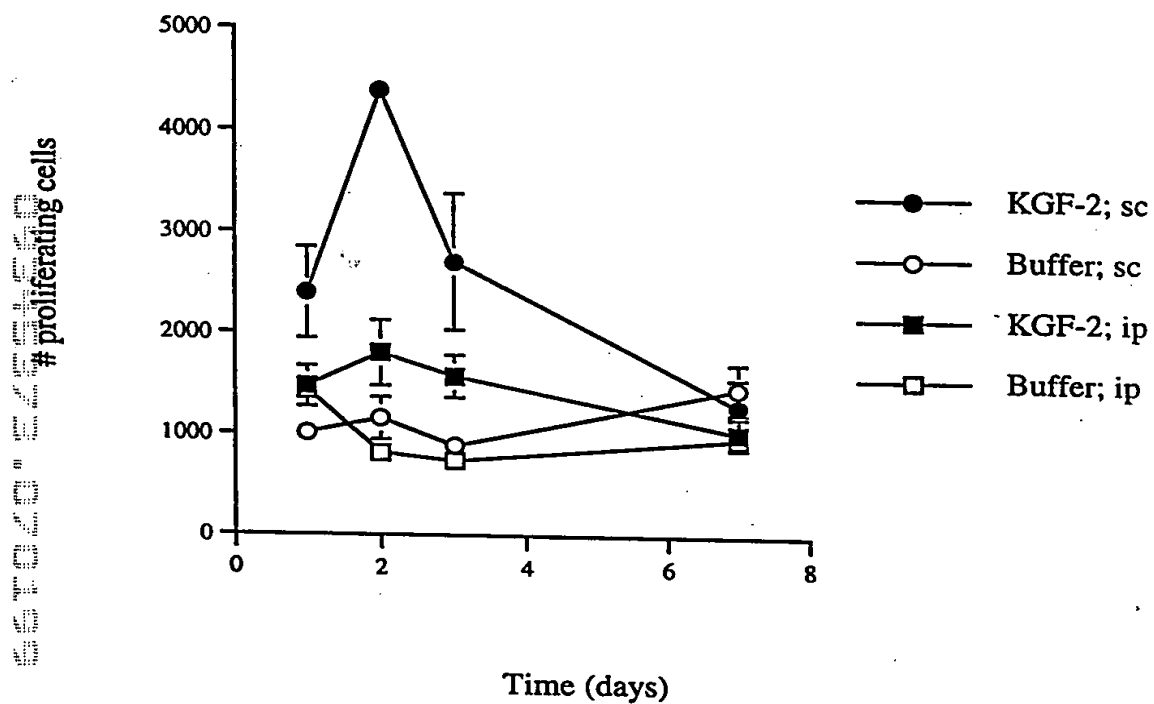
FIGURE 57

## Proliferation of pancreatic cells following systemic administration of KGF-2



**FIGURE 58**

# Proliferation of renal epithelia after systemic administration of KGF-2



**FIGURE 59**

BrdU Positive Cells/Field



**FIGURE 60**